LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV072319\
Data File : VV011993.D
Acq On : 24 Jul 2019 04:06
Operator : SY/MD
Sample : K3960-01
Misc : 25ML/MSVOA V/WATER
ALS Vial : 37 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : DB9A6

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.1 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR072219WMA.M
Title : TRACE VOA SOM01.0

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.319	63	71	80	rVB	61575	60747	1.38%	0.466%
2	1.586	146	154	162	rBV	43811	52594	1.20%	0.404%
3	2.132	308	324	336	rBV	103964	147474	3.36%	1.132%
4	3.958	878	892	932	rBV	53913	180915	4.12%	1.389%
5	4.402	1011	1030	1056	rBV	90790	223420	5.09%	1.716%
6	5.097	1226	1246	1279	rBV2	214944	514983	11.74%	3.954%
7	5.663	1408	1422	1446	rBV	173060	340095	7.75%	2.611%
8	6.119	1550	1564	1592	rBV	118601	243964	5.56%	1.873%
9	7.029	1836	1847	1867	rVB2	57866	100809	2.30%	0.774%
10	7.280	1913	1925	1939	rBV3	60914	158263	3.61%	1.215%
11	7.360	1939	1950	1962	rVV	266484	468020	10.67%	3.594%
12	7.431	1962	1972	1985	rVB	96147	161990	3.69%	1.244%
13	7.608	2017	2027	2036	rBV	31151	50614	1.15%	0.389%
14	7.666	2036	2045	2052	rBV	31423	55210	1.26%	0.424%
15	8.135	2172	2191	2215	rBV	261205	492733	11.23%	3.784%
16	8.270	2219	2233	2243	rVV5	26118	58583	1.34%	0.450%
17	8.334	2243	2253	2262	rVB2	30967	51428	1.17%	0.395%
18	8.637	2329	2347	2359	rBV5	28434	66757	1.52%	0.513%
19	8.707	2359	2369	2380	rVB3	30736	59360	1.35%	0.456%
20	8.894	2416	2427	2442	rBV	268382	433964	9.89%	3.332%
21	9.055	2463	2477	2488	rBV	644696	1008847	22.99%	7.747%
22	9.180	2499	2516	2529	rBV	2690314	4387385	100.00%	33.689%
23	9.244	2529	2536	2555	rVB3	66456	119163	2.72%	0.915%
24	9.514	2603	2620	2630	rBV5	23713	56986	1.30%	0.438%
25	9.585	2630	2642	2660	rVB	751479	1158088	26.40%	8.893%
26	10.260	2839	2852	2868	rBV	88787	149168	3.40%	1.145%
27	10.492	2913	2924	2940	rBV	67349	143465	3.27%	1.102%
28	10.781	3001	3014	3029	rVB2	27251	46655	1.06%	0.358%
29	10.958	3059	3069	3085	rVB	94406	145023	3.31%	1.114%
30	11.293	3162	3173	3191	rBV	284705	449482	10.24%	3.451%
31	11.575	3249	3261	3272	rBV3	49323	95024	2.17%	0.730%
32	11.669	3279	3290	3309	rVB	284889	473670	10.80%	3.637%
33	12.929	3671	3682	3692	rVB	53015	80326	1.83%	0.617%
34	13.315	3793	3802	3809	rBV3	30048	46696	1.06%	0.359%

LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV072319\
Data File : VV011993.D
Acq On : 24 Jul 2019 04:06
Operator : SY/MD
Sample : K3960-01
Misc : 25ML/MSVOA V/WATER
ALS Vial : 37 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : DB9A6

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.1 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR072219WMA.M
Title : TRACE VOA SOM01.0

35	13.382	3809	3823	3827	rVV5	40154	85445	1.95%	0.656%
36	13.415	3827	3833	3847	rVB	66245	103180	2.35%	0.792%
37	13.755	3922	3939	3950	rBV4	36813	72876	1.66%	0.560%
38	13.955	3989	4001	4017	rBV4	22622	53988	1.23%	0.415%
39	14.135	4048	4057	4069	rBV3	45853	87374	1.99%	0.671%
40	14.280	4094	4102	4111	rVB2	29947	43891	1.00%	0.337%
41	14.344	4111	4122	4135	rVB5	43977	84209	1.92%	0.647%
42	14.492	4153	4168	4181	rBV5	37972	88814	2.02%	0.682%
43	14.881	4276	4289	4297	rVV2	31221	67070	1.53%	0.515%
44	15.382	4432	4445	4463	rVB6	19422	54367	1.24%	0.417%

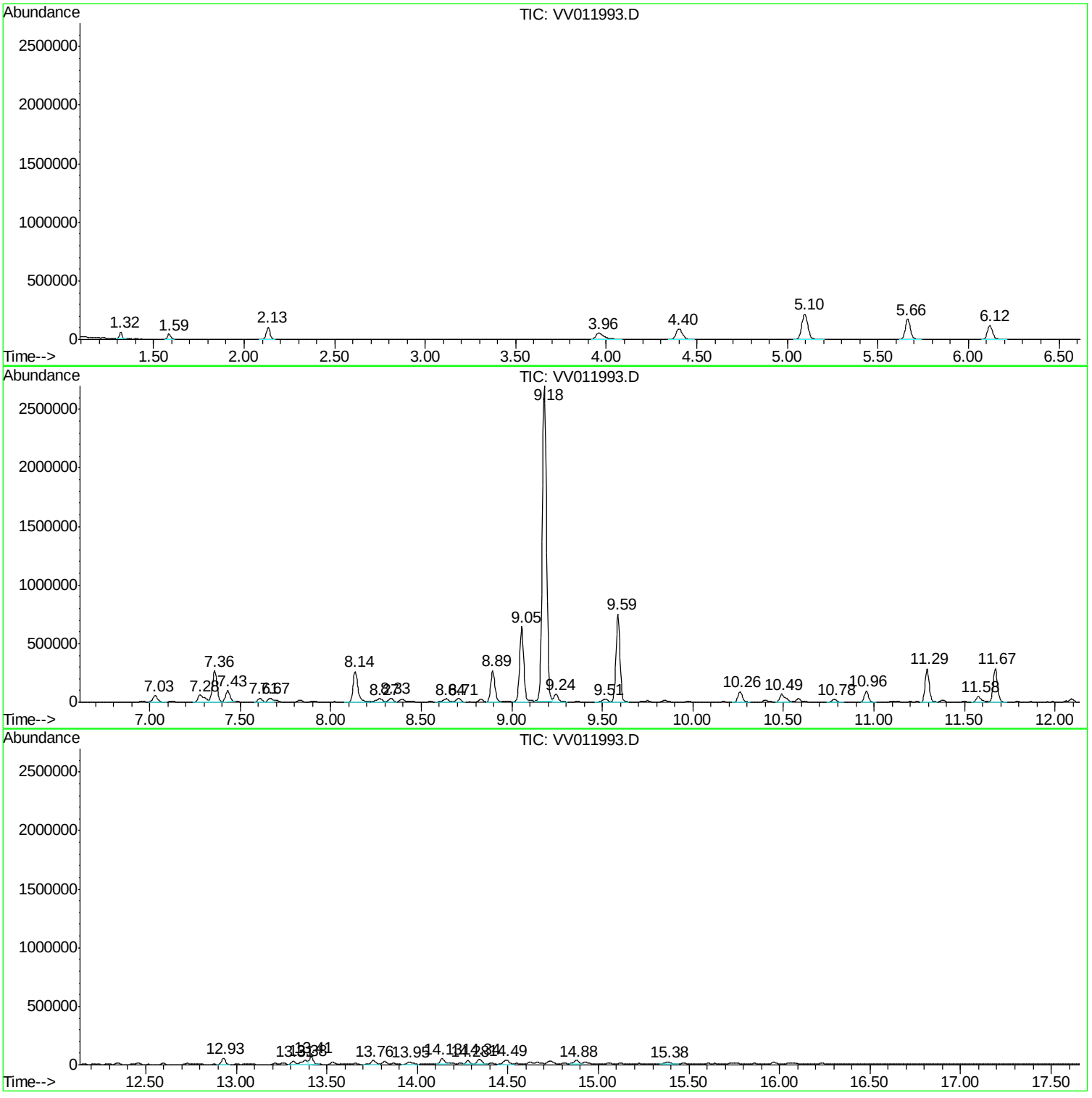
Sum of corrected areas: 13023115

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV072319\
Data File : VV011993.D
Acq On : 24 Jul 2019 04:06
Operator : SY/MD
Sample : K3960-01
Misc : 25ML/MSVOA_V/WATER
ALS Vial : 37 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : DB9A6

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR072219WMA.M
Quant Title : TRACE VOA SOM01.0

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV072319\
Data File : VV011993.D
Acq On : 24 Jul 2019 04:06
Operator : SY/MD
Sample : K3960-01
Misc : 25ML/MSVOA_V/WATER
ALS Vial : 37 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : DB9A6

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR072219WMA.M
Quant Title : TRACE VOA SOM01.0

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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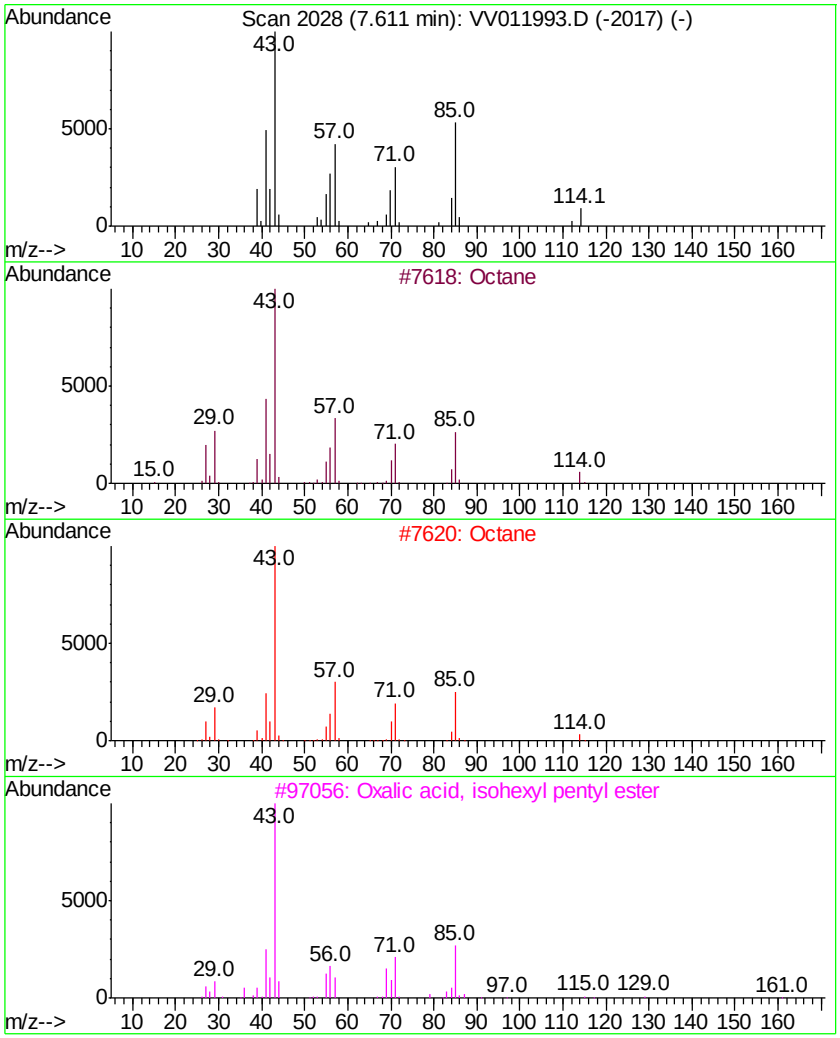
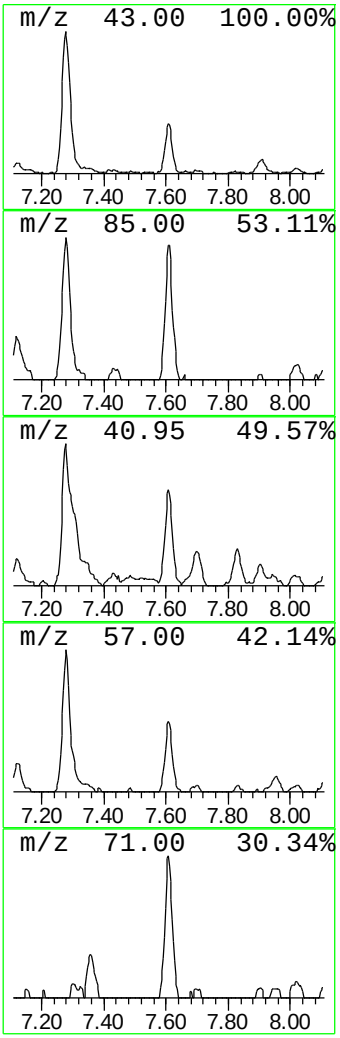
Peak Number 2 (DEL) Alkane: Straight-Chai... Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.61	0.58 ug/L	50614	Chlorobenzene-d5	8.89

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octane	114	C8H18	000111-65-9	94
2	Octane	114	C8H18	000111-65-9	87
3	Oxalic acid, isohexyl pentyl ester	244	C13H24O4	1000309-32-8	83
4	Octane	114	C8H18	000111-65-9	76
5	Heptane, 2,4-dimethyl-	128	C9H20	002213-23-2	72





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV072319\
Data File : VV011993.D
Acq On : 24 Jul 2019 04:06
Operator : SY/MD
Sample : K3960-01
Misc : 25ML/MSVOA_V/WATER
ALS Vial : 37 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : DB9A6

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR072219WMA.M
Quant Title : TRACE VOA SOM01.0

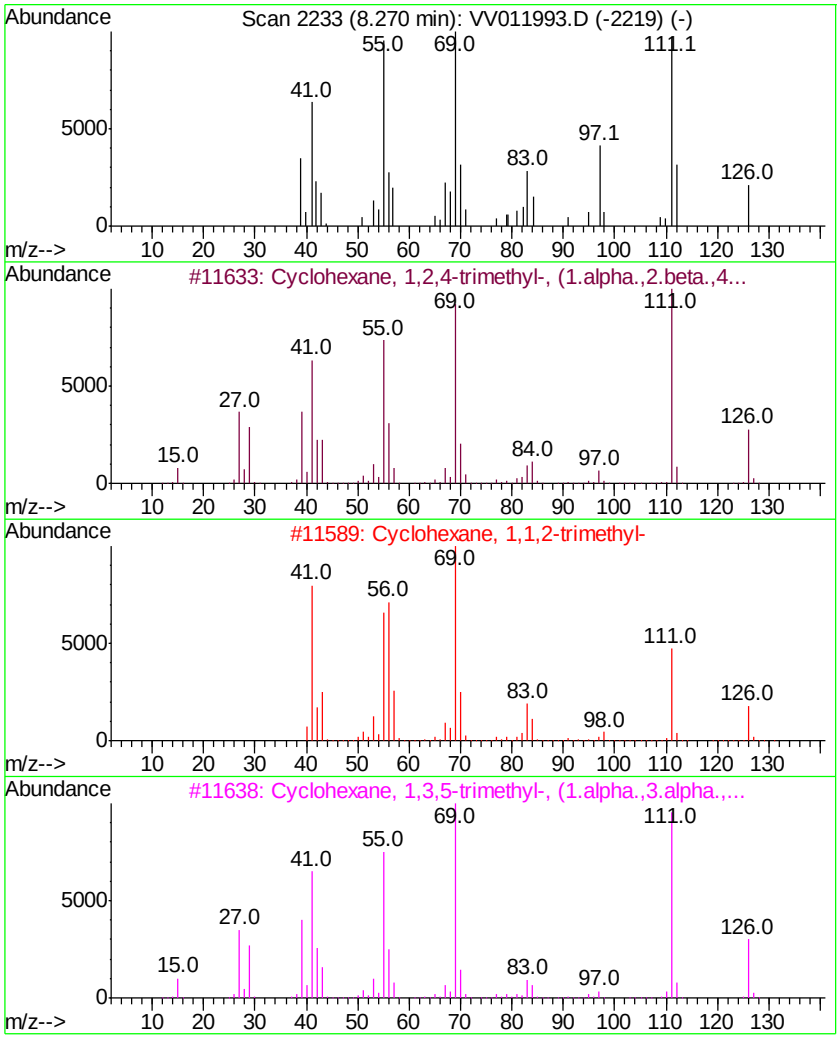
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

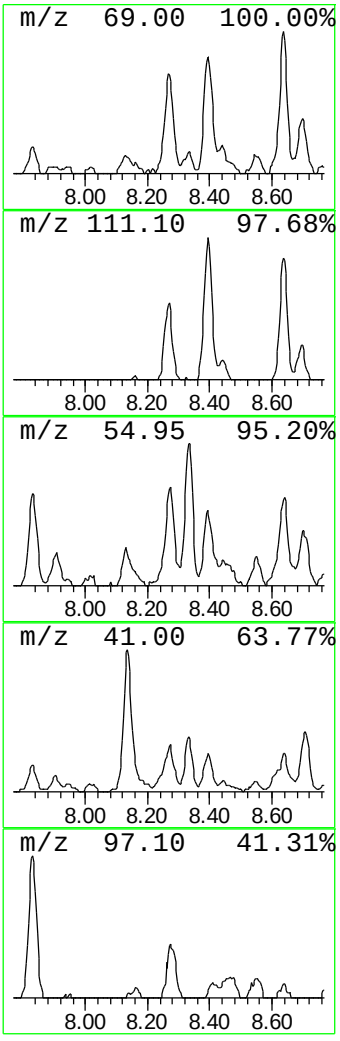
****

Peak Number 3 (DEL) Alkane: Cyclic8.27 Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.27	0.67 ug/L	58583	Chlorobenzene-d5	8.89

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,2,4-trimethyl-, (...	126	C9H18	007667-60-9	58
2	Cyclohexane, 1,1,2-trimethyl-	126	C9H18	007094-26-0	53
3	Cyclohexane, 1,3,5-trimethyl-, (...	126	C9H18	001795-26-2	52
4	3-Heptene, 4-methyl-	112	C8H16	004485-16-9	45
5	Cyclohexane, 1,1,2-trimethyl-	126	C9H18	007094-26-0	43





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV072319\
Data File : VV011993.D
Acq On : 24 Jul 2019 04:06
Operator : SY/MD
Sample : K3960-01
Misc : 25ML/MSVOA_V/WATER
ALS Vial : 37 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : DB9A6

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR072219WMA.M
Quant Title : TRACE VOA SOM01.0

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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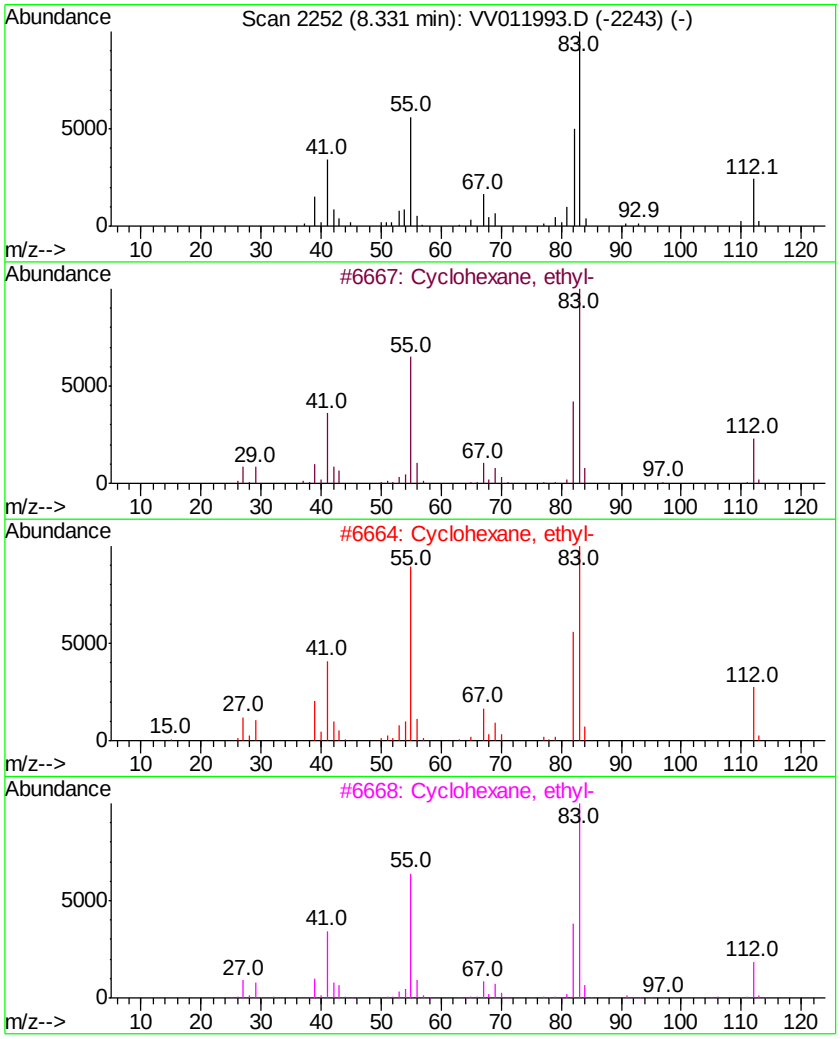
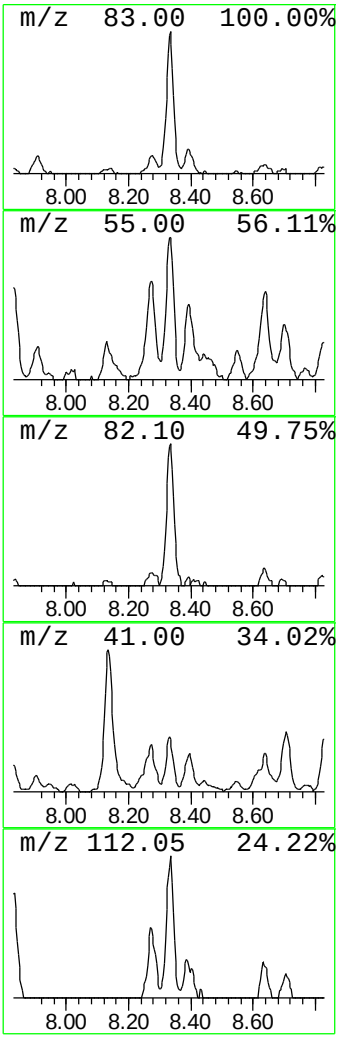
Peak Number 4 (DEL) Alkane: Cyclic8.33 Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.33	0.59 ug/L	51428	Chlorobenzene-d5	8.89

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, ethyl-	112	C8H16	001678-91-7	86
2	Cyclohexane, ethyl-	112	C8H16	001678-91-7	80
3	Cyclohexane, ethyl-	112	C8H16	001678-91-7	72
4	Cyclohexane, ethyl-	112	C8H16	001678-91-7	72
5	Cyclohexane, ethyl-	112	C8H16	001678-91-7	64





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV072319\
Data File : VV011993.D
Acq On : 24 Jul 2019 04:06
Operator : SY/MD
Sample : K3960-01
Misc : 25ML/MSVOA_V/WATER
ALS Vial : 37 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : DB9A6

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR072219WMA.M
Quant Title : TRACE VOA SOM01.0

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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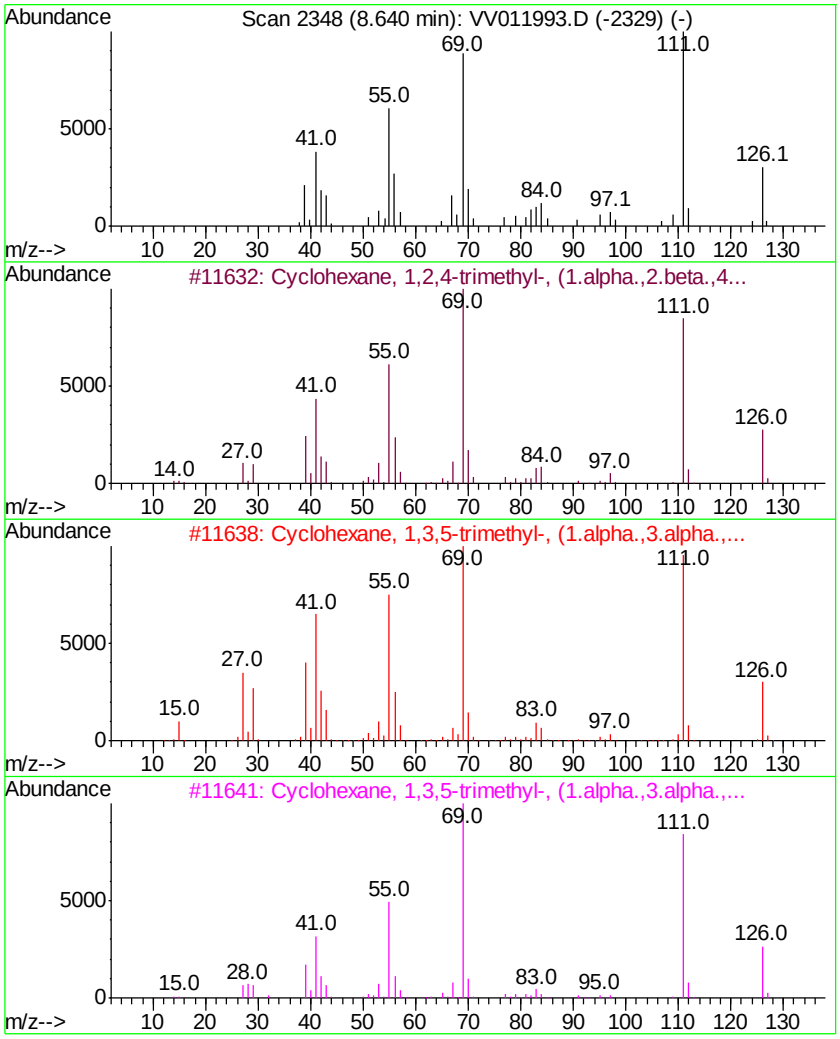
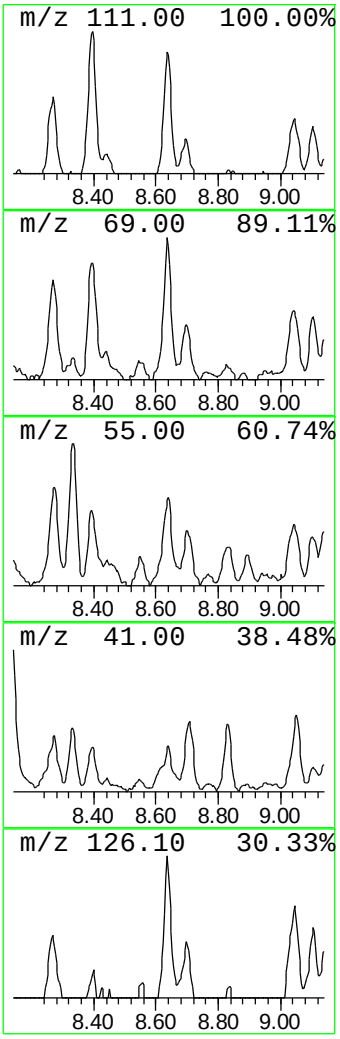
Peak Number 5 (DEL) Alkane: Cyclic8.64 Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.64	0.77 ug/L	66757	Chlorobenzene-d5	8.89

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,2,4-trimethyl-, (...	126	C9H18	007667-60-9	96
2	Cyclohexane, 1,3,5-trimethyl-, (...	126	C9H18	001795-26-2	93
3	Cyclohexane, 1,3,5-trimethyl-, (...	126	C9H18	001795-27-3	83
4	Cyclohexane, 1,2,4-trimethyl-, (...	126	C9H18	007667-60-9	80
5	Cyclohexane, 1,3,5-trimethyl-	126	C9H18	001839-63-0	80





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV072319\
Data File : VV011993.D
Acq On : 24 Jul 2019 04:06
Operator : SY/MD
Sample : K3960-01
Misc : 25ML/MSVOA_V/WATER
ALS Vial : 37 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : DB9A6

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR072219WMA.M
Quant Title : TRACE VOA SOM01.0

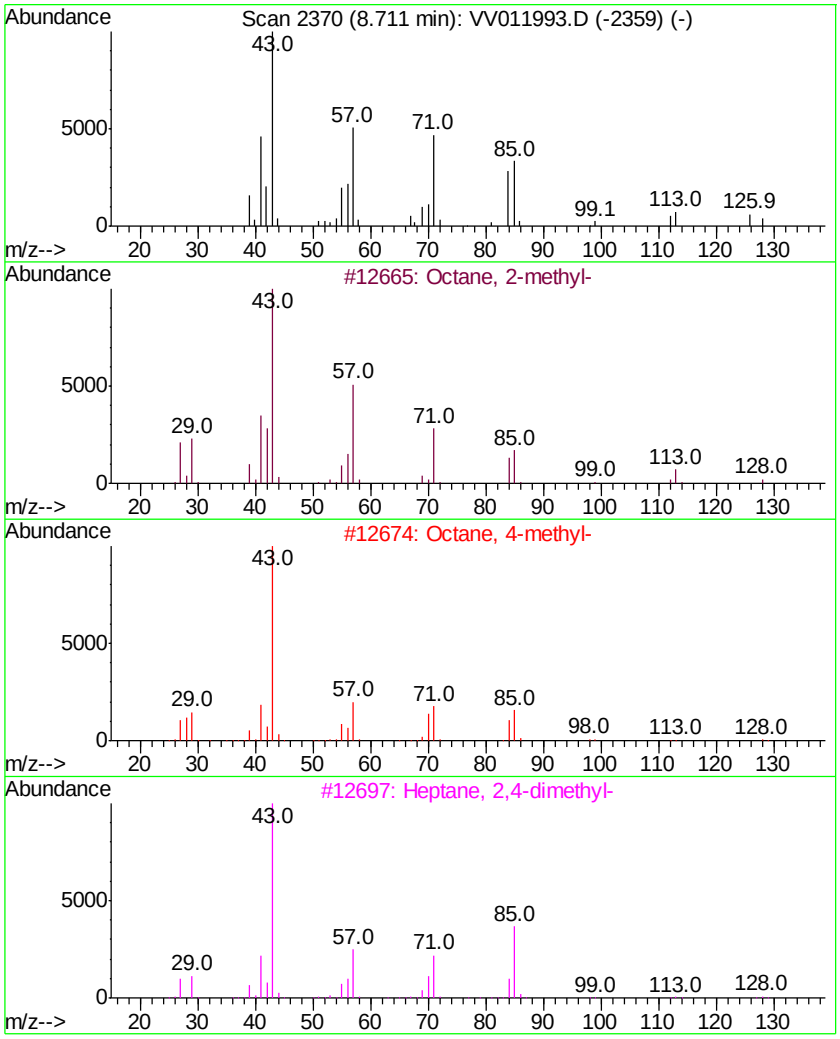
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

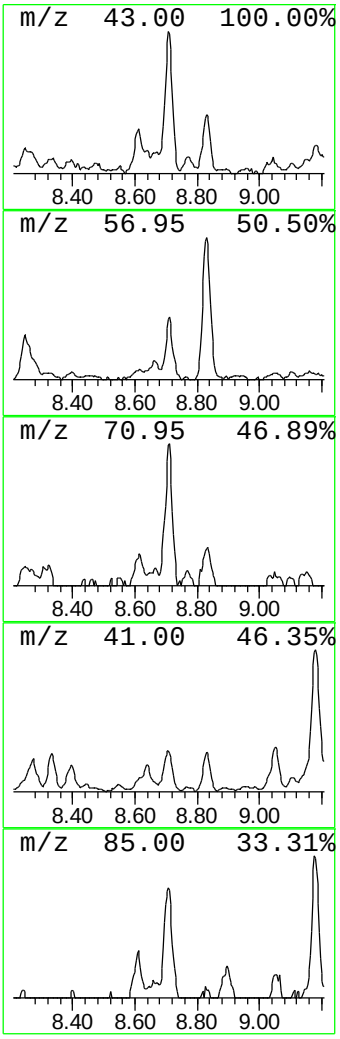
****

Peak Number 6 (DEL) Alkane: Straight-Chai... Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.71	0.68 ug/L	59360	Chlorobenzene-d5	8.89

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octane, 2-methyl-	128	C9H20	003221-61-2	59
2	Octane, 4-methyl-	128	C9H20	002216-34-4	59
3	Heptane, 2,4-dimethyl-	128	C9H20	002213-23-2	53
4	Dichloroacetic acid, 4-methylpen...	212	C8H14Cl2O2	1000282-43-7	50
5	Heptane, 2,6-dimethyl-	128	C9H20	001072-05-5	47





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV072319\
Data File : VV011993.D
Acq On : 24 Jul 2019 04:06
Operator : SY/MD
Sample : K3960-01
Misc : 25ML/MSVOA_V/WATER
ALS Vial : 37 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : DB9A6

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR072219WMA.M
Quant Title : TRACE VOA SOM01.0

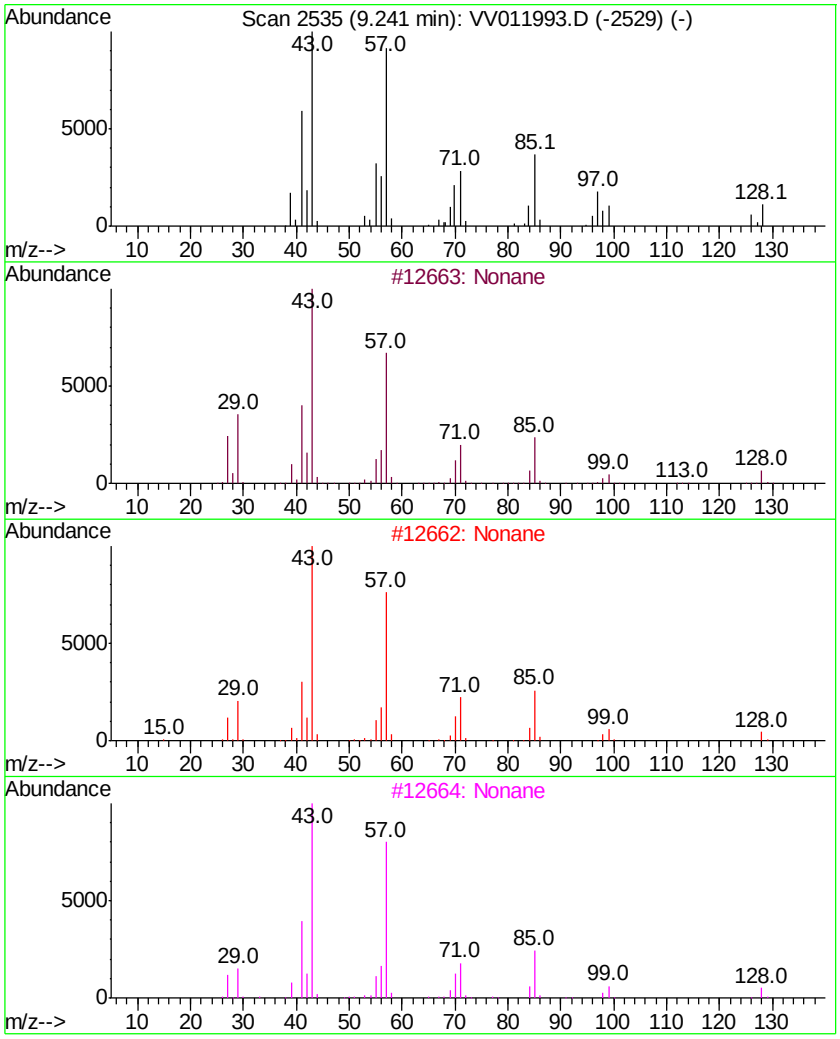
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

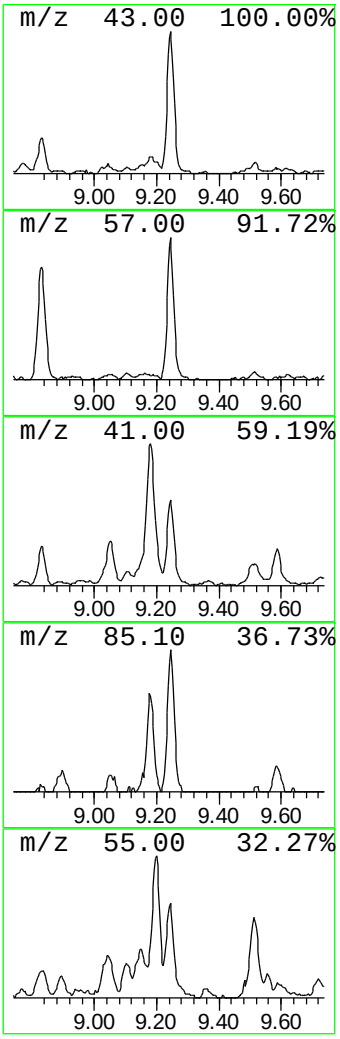
****

Peak Number 7 (DEL) Alkane: Straight-Chai... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.24	1.37 ug/L	119163	Chlorobenzene-d5	8.89

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Nonane	128	C9H20	000111-84-2	93
2	Nonane	128	C9H20	000111-84-2	90
3	Nonane	128	C9H20	000111-84-2	76
4	Dodecane, 2,6,10-trimethyl-	212	C15H32	003891-98-3	64
5	Octane	114	C8H18	000111-65-9	53





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV072319\
Data File : VV011993.D
Acq On : 24 Jul 2019 04:06
Operator : SY/MD
Sample : K3960-01
Misc : 25ML/MSVOA_V/WATER
ALS Vial : 37 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : DB9A6

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR072219WMA.M
Quant Title : TRACE VOA SOM01.0

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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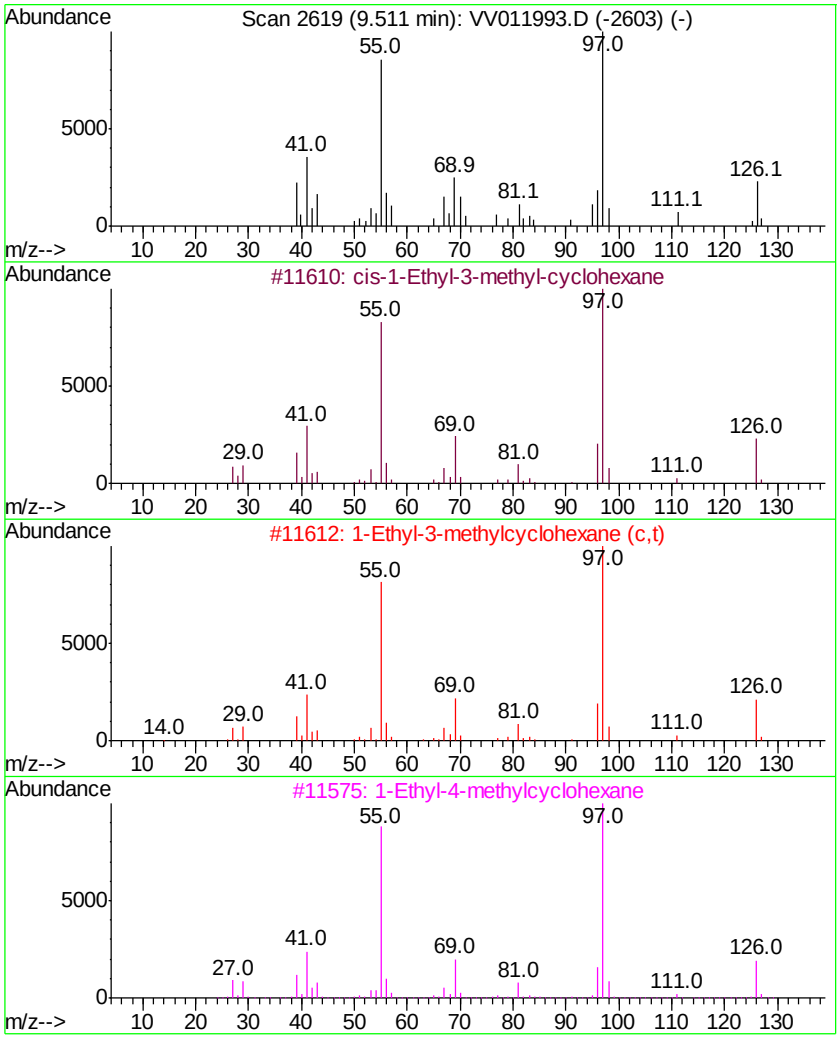
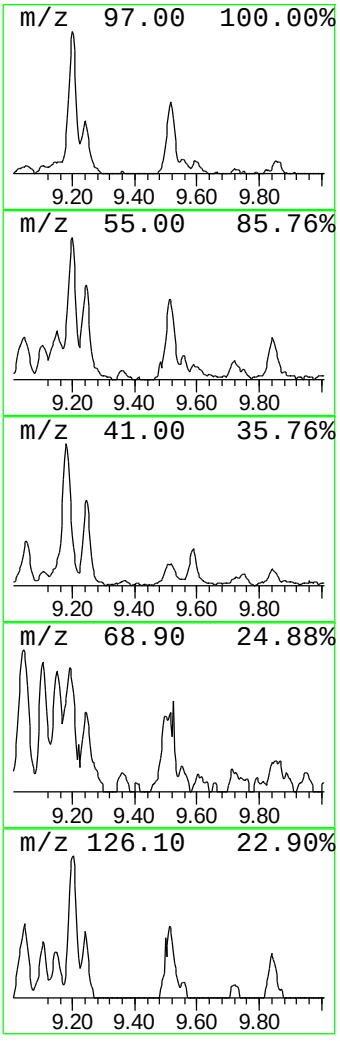
Peak Number 8 (DEL) Alkane: Cyclic9.51 Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.51	0.66 ug/L	56986	Chlorobenzene-d5	8.89

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	cis-1-Ethyl-3-methyl-cyclohexane	126	C9H18	019489-10-2	87
2	1-Ethyl-3-methylcyclohexane (c,t)	126	C9H18	003728-55-0	87
3	1-Ethyl-4-methylcyclohexane	126	C9H18	003728-56-1	87
4	Cyclohexane, 1-ethyl-2-methyl-	126	C9H18	003728-54-9	87
5	Cyclohexane, 1-ethyl-4-methyl-, ...	126	C9H18	006236-88-0	80





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV072319\
Data File : VV011993.D
Acq On : 24 Jul 2019 04:06
Operator : SY/MD
Sample : K3960-01
Misc : 25ML/MSVOA_V/WATER
ALS Vial : 37 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : DB9A6

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR072219WMA.M
Quant Title : TRACE VOA SOM01.0

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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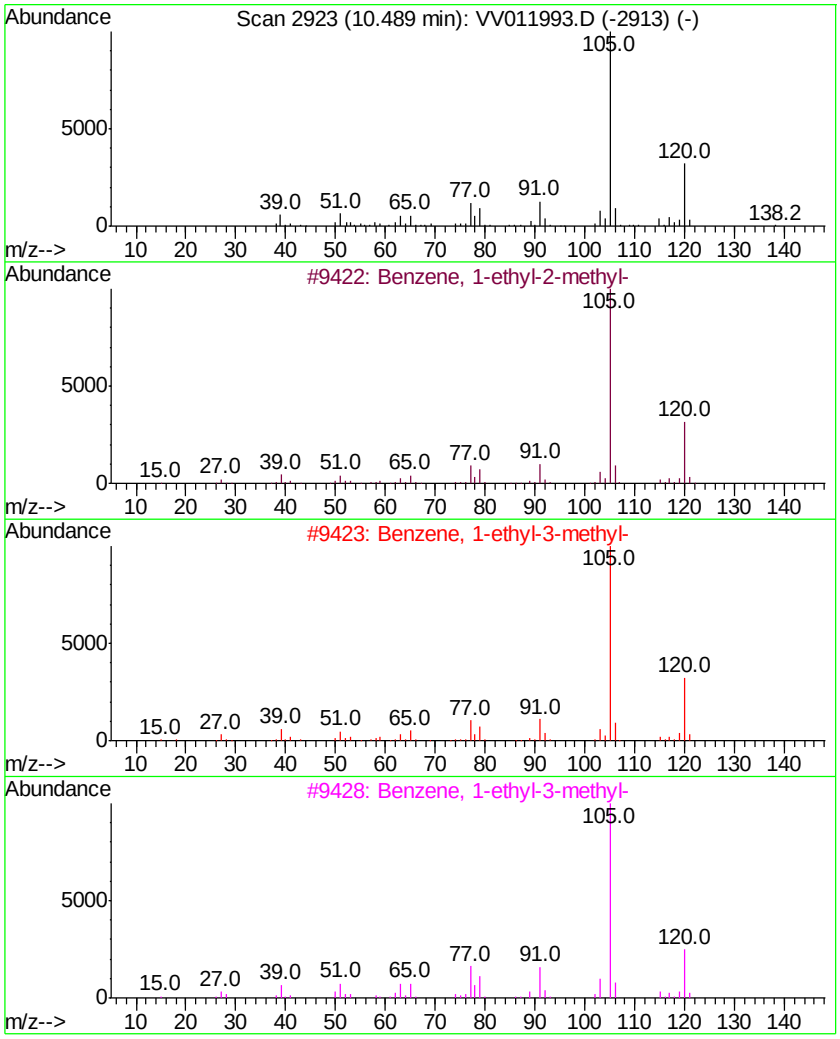
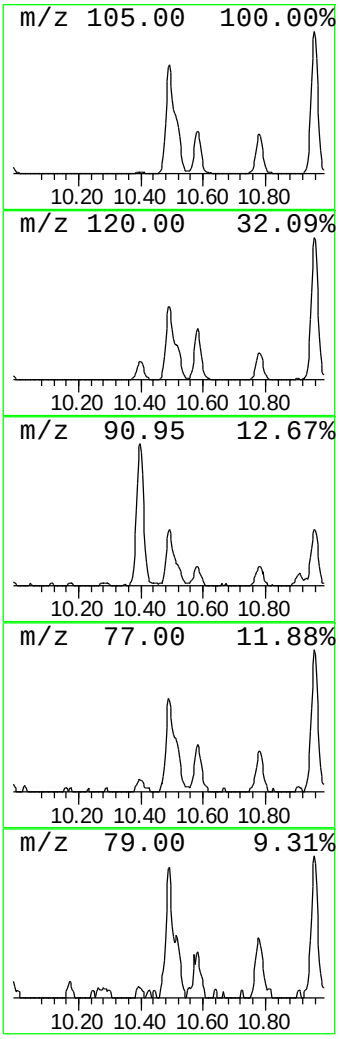
Peak Number 9 Benzene, 1-ethyl-2-methyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.49	1.60 ug/L	143465	1,4-Dichlorobenzene-d4	11.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	95
2	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	95
3	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	95
4	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	94
5	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	94





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Data File : VV011993.D
Acq On : 24 Jul 2019 04:06
Operator : SY/MD
Sample : K3960-01
Misc : 25ML/MSVOA_V/WATER
ALS Vial : 37 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : DB9A6

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR072219WMA.M
Quant Title : TRACE VOA SOM01.0

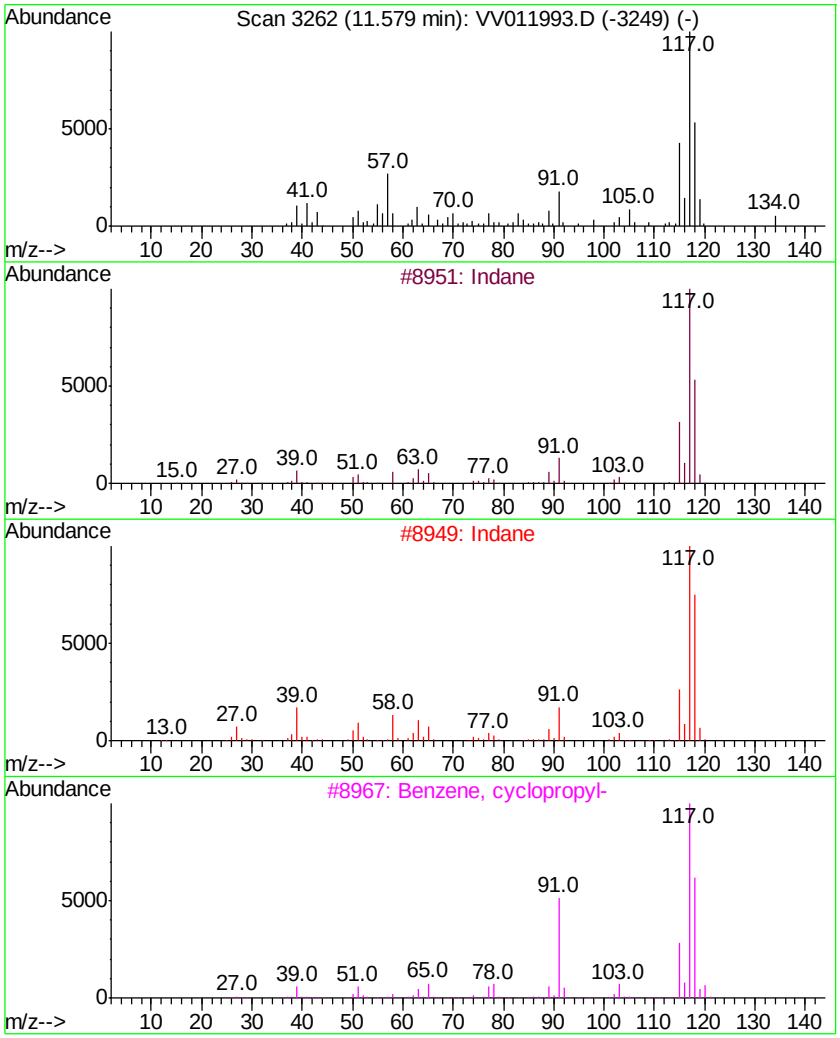
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

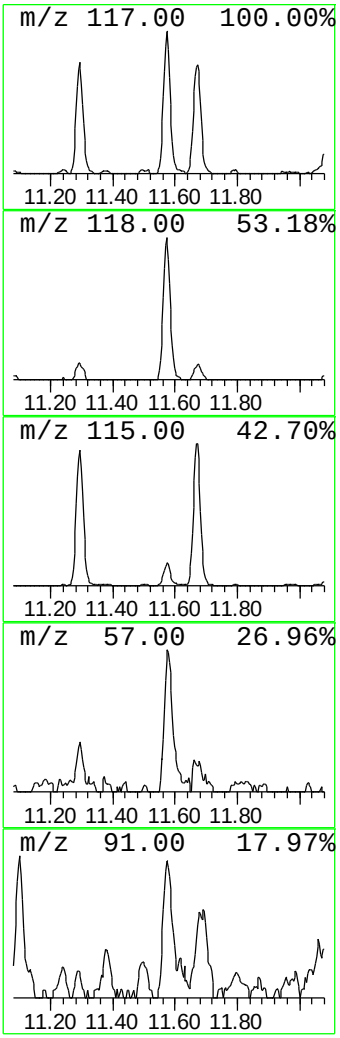
****

Peak Number 12 Indane Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.58	1.06 ug/L	95024	1,4-Dichlorobenzene-d4	11.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indane	118	C9H10	000496-11-7	93
2	Indane	118	C9H10	000496-11-7	76
3	Benzene, cyclopropyl-	118	C9H10	000873-49-4	64
4	Benzene, 2-propenyl-	118	C9H10	000300-57-2	64
5	7-Methylenecycloocta-1,3,5-triene	118	C9H10	002570-13-0	64





Library Search Compound Report

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Data File : VV011993.D
Acq On : 24 Jul 2019 04:06
Operator : SY/MD
Sample : K3960-01
Misc : 25ML/MSVOA_V/WATER
ALS Vial : 37 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : DB9A6

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR072219WMA.M
Quant Title : TRACE VOA SOM01.0

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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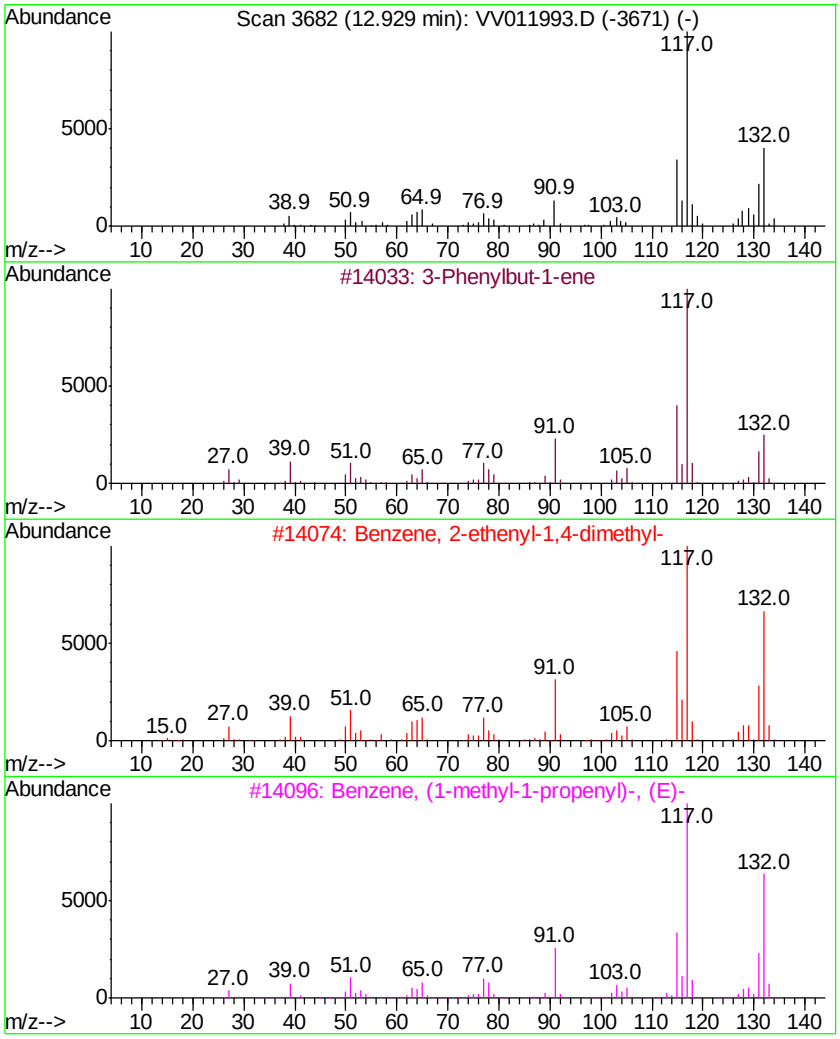
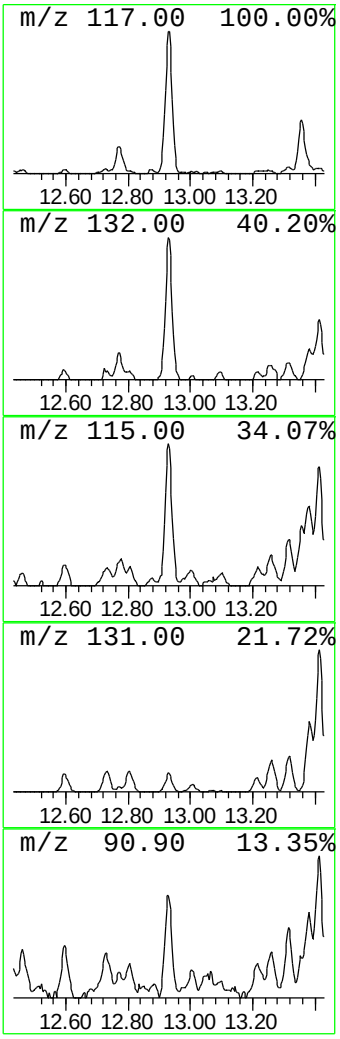
Peak Number 13 3-Phenylbut-1-ene Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.93	0.89 ug/L	80326	1,4-Dichlorobenzene-d4	11.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Phenylbut-1-ene	132	C10H12	000934-10-1	87
2	Benzene, 2-ethenyl-1,4-dimethyl-	132	C10H12	002039-89-6	86
3	Benzene, (1-methyl-1-propenyl)-, ...	132	C10H12	000768-00-3	86
4	1H-Indene, 2,3-dihydro-5-methyl-	132	C10H12	000874-35-1	83
5	Benzene, (2-methyl-2-propenyl)-	132	C10H12	003290-53-7	83





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV072319\
Data File : VV011993.D
Acq On : 24 Jul 2019 04:06
Operator : SY/MD
Sample : K3960-01
Misc : 25ML/MSVOA_V/WATER
ALS Vial : 37 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : DB9A6

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR072219WMA.M
Quant Title : TRACE VOA SOM01.0

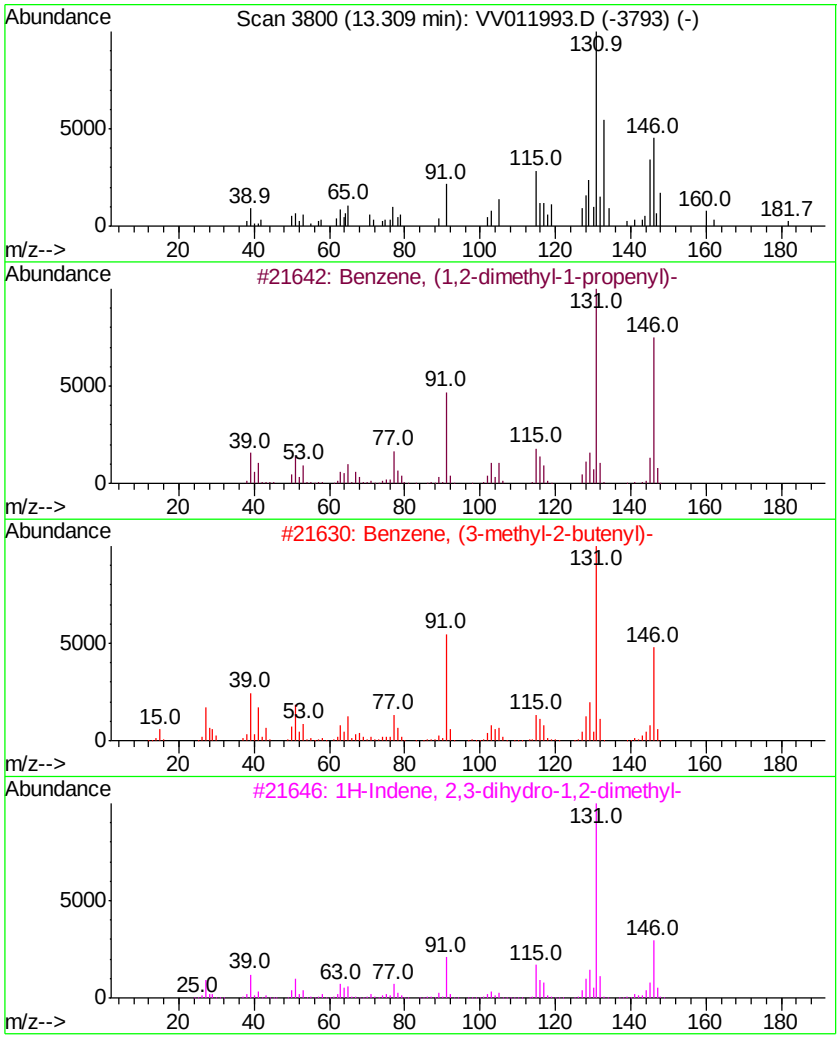
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

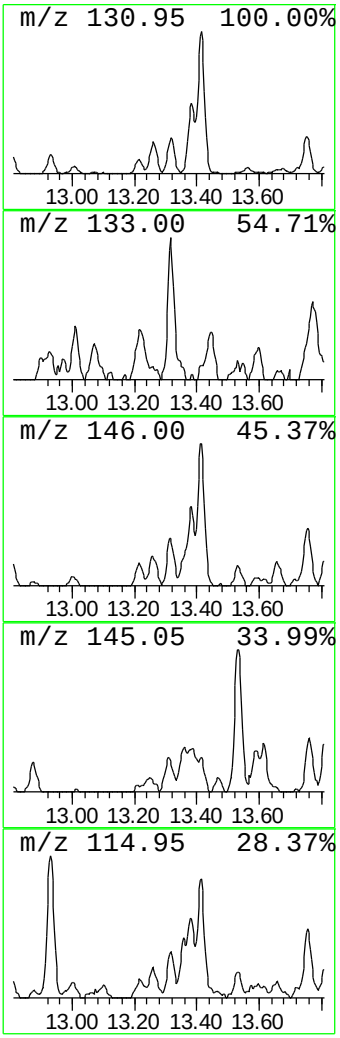
****

Peak Number 14 Benzene, (1,2-dimethyl-1-pr... Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.31	0.52 ug/L	46696	1,4-Dichlorobenzene-d4	11.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, (1,2-dimethyl-1-propenyl)-	146	C11H14	000769-57-3	86
2	Benzene, (3-methyl-2-butenyl)-	146	C11H14	004489-84-3	70
3	1H-Indene, 2,3-dihydro-1,2-dimet...	146	C11H14	017057-82-8	64
4	Benzene, (1-methyl-1-butenyl)-	146	C11H14	053172-84-2	64
5	Benzene, (3-methyl-2-butenyl)-	146	C11H14	004489-84-3	64





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Data File : VV011993.D
Acq On : 24 Jul 2019 04:06
Operator : SY/MD
Sample : K3960-01
Misc : 25ML/MSVOA_V/WATER
ALS Vial : 37 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : DB9A6

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR072219WMA.M
Quant Title : TRACE VOA SOM01.0

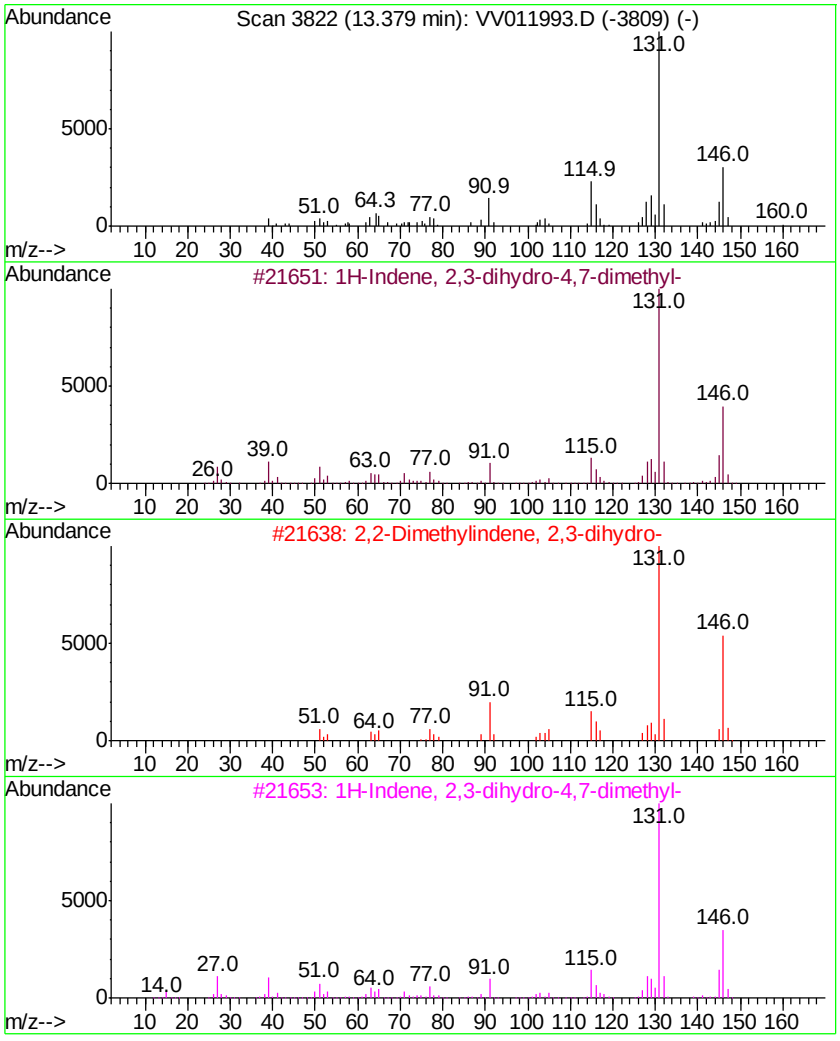
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

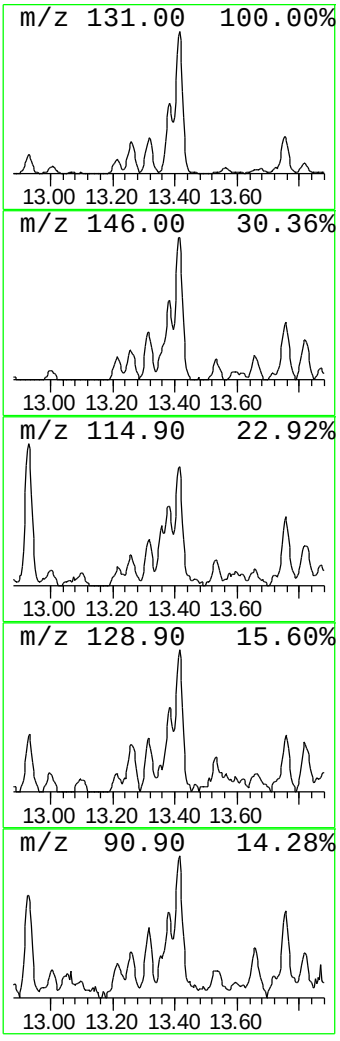
****

Peak Number 15 1H-Indene, 2,3-dihydro-4,7-... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.38	0.95 ug/L	85445	1,4-Dichlorobenzene-d4	11.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	93
2	2,2-Dimethylindene, 2,3-dihydro-	146	C11H14	020836-11-7	93
3	1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	91
4	1H-Indene, 2,3-dihydro-1,2-dimet...	146	C11H14	017057-82-8	91
5	1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	91





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Data File : VV011993.D
Acq On : 24 Jul 2019 04:06
Operator : SY/MD
Sample : K3960-01
Misc : 25ML/MSVOA_V/WATER
ALS Vial : 37 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : DB9A6

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR072219WMA.M
Quant Title : TRACE VOA SOM01.0

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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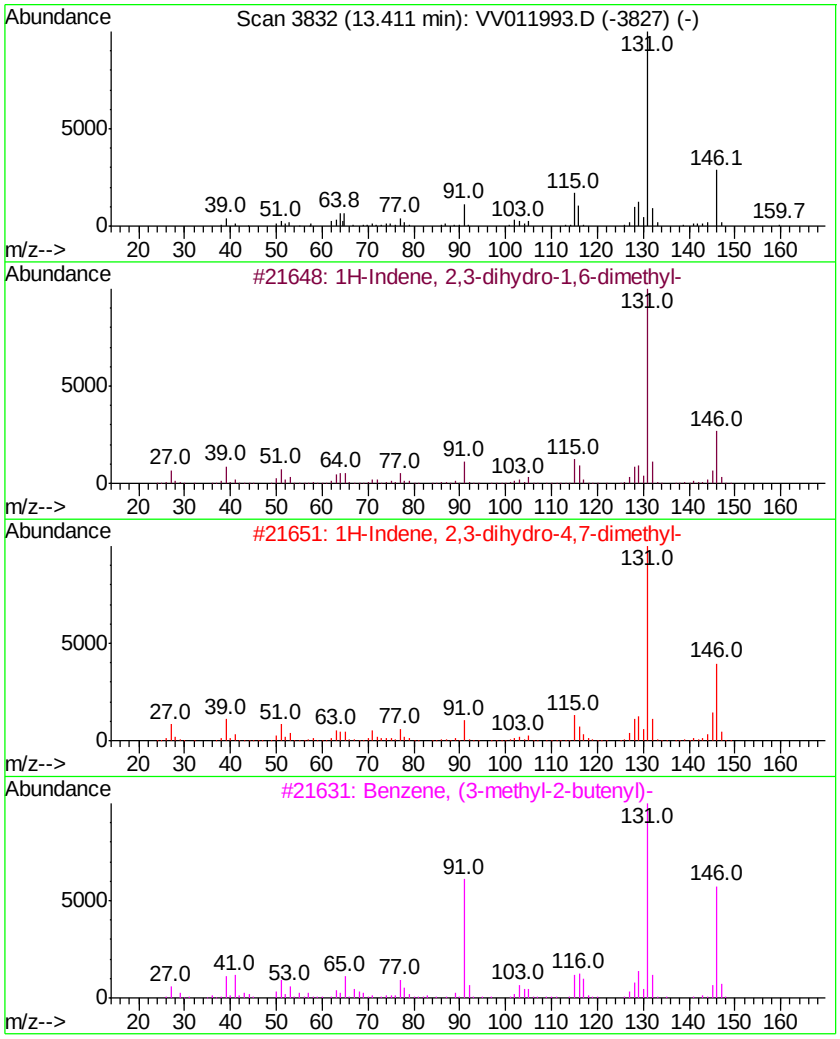
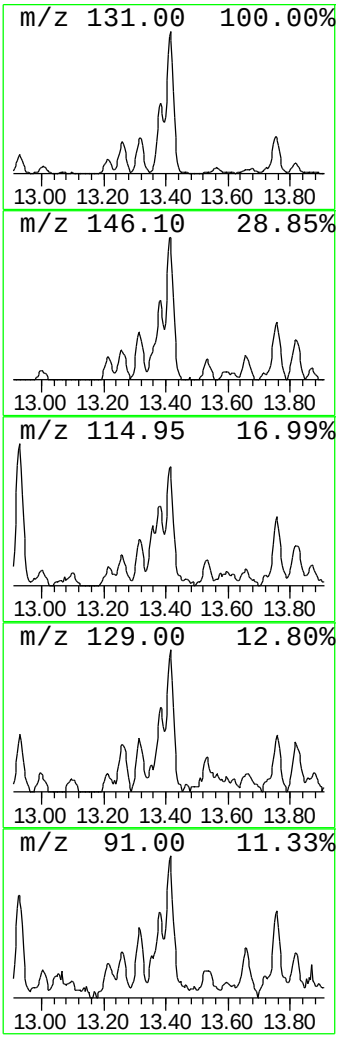
Peak Number 16 1H-Indene, 2,3-dihydro-1,6-... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.41	1.15 ug/L	103180	1,4-Dichlorobenzene-d4	11.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 2,3-dihydro-1,6-dimet...	146	C11H14	017059-48-2	94
2	1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	91
3	Benzene, (3-methyl-2-butenyl)-	146	C11H14	004489-84-3	91
4	1H-Indene, 2,3-dihydro-4,6-dimet...	146	C11H14	001685-82-1	90
5	1H-Indene, 2,3-dihydro-1,3-dimet...	146	C11H14	004175-53-5	90





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV072319\
Data File : VV011993.D
Acq On : 24 Jul 2019 04:06
Operator : SY/MD
Sample : K3960-01
Misc : 25ML/MSVOA_V/WATER
ALS Vial : 37 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : DB9A6

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR072219WMA.M
Quant Title : TRACE VOA SOM01.0

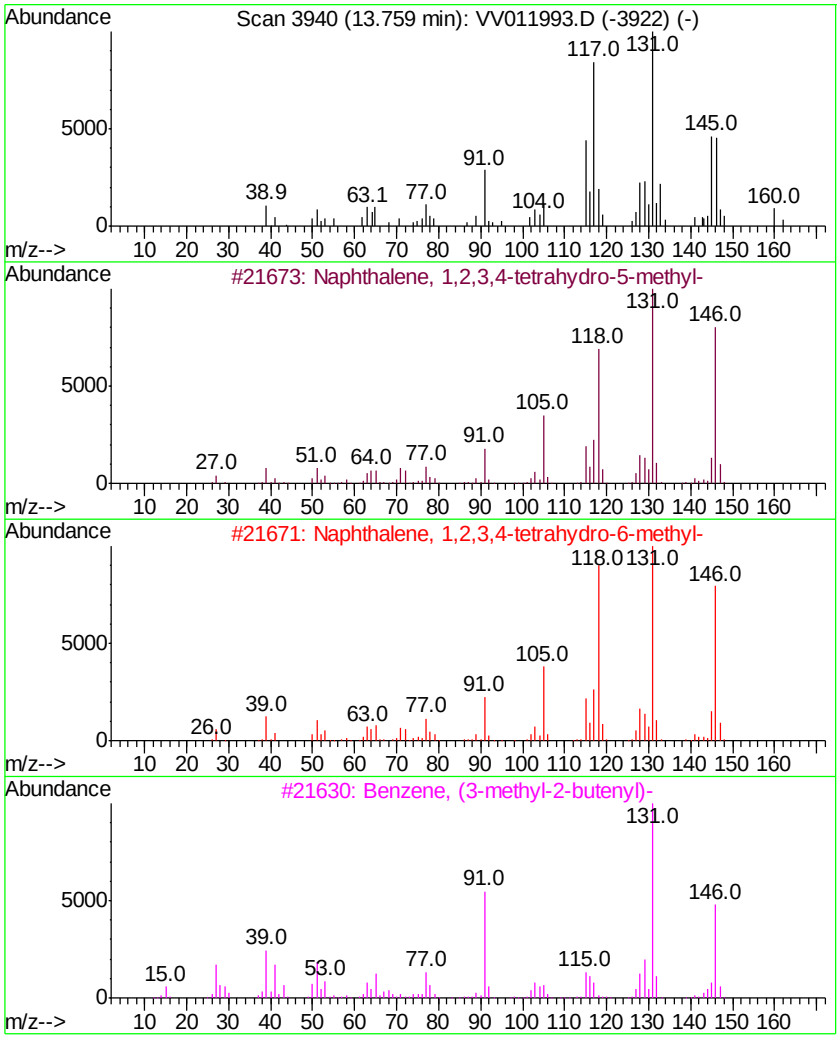
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

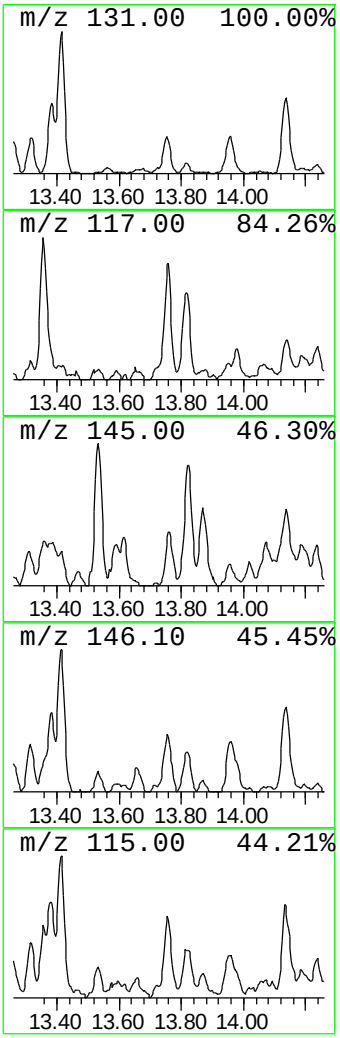
****

Peak Number 17 Naphthalene, 1,2,3,4-tetrah... Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.76	0.81 ug/L	72876	1,4-Dichlorobenzene-d4	11.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	002809-64-5	62
2	Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	001680-51-9	58
3	Benzene, (3-methyl-2-butenyl)-	146	C11H14	004489-84-3	50
4	Benzene, (3-methyl-2-butenyl)-	146	C11H14	004489-84-3	46
5	Benzene, (1-ethyl-1-propenyl)-	146	C11H14	004701-36-4	45





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Data File : VV011993.D
Acq On : 24 Jul 2019 04:06
Operator : SY/MD
Sample : K3960-01
Misc : 25ML/MSVOA_V/WATER
ALS Vial : 37 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : DB9A6

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR072219WMA.M
Quant Title : TRACE VOA SOM01.0

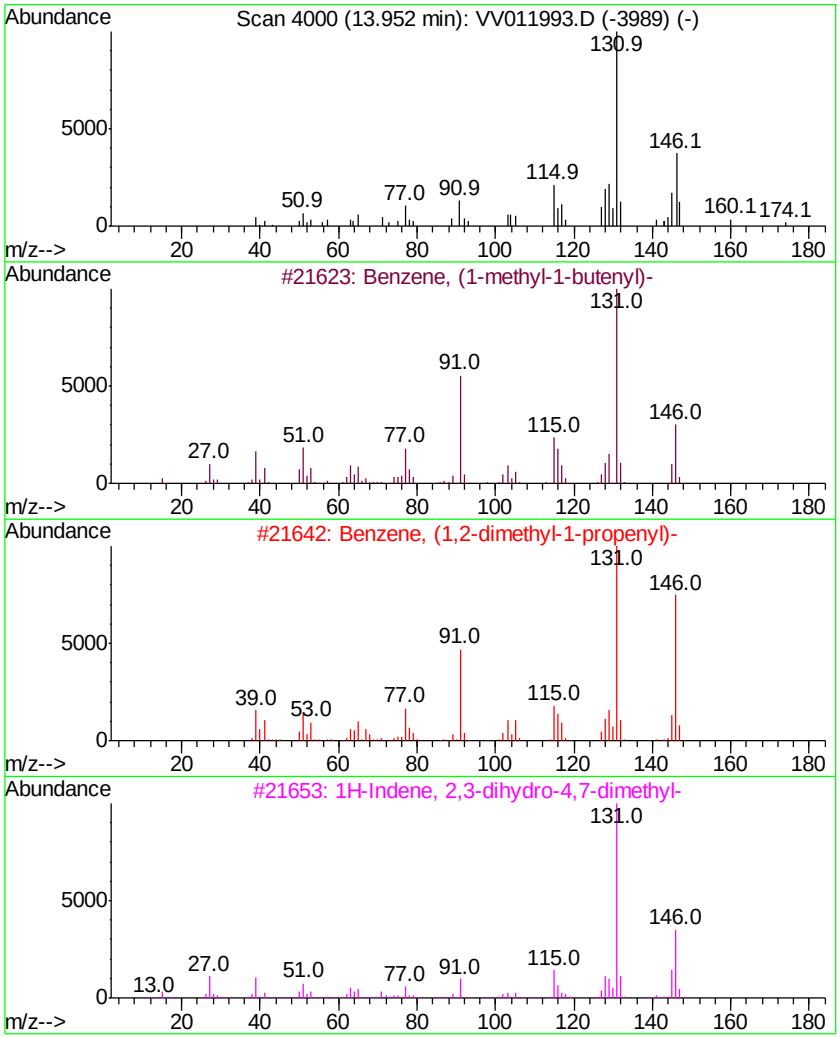
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

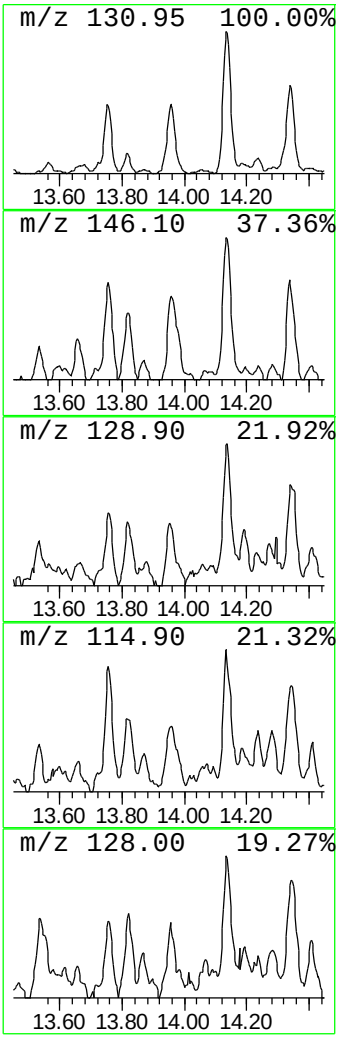
****

Peak Number 18 Benzene, (1-methyl-1-butenyl)- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.95	0.60 ug/L	53988	1,4-Dichlorobenzene-d4	11.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, (1-methyl-1-butenyl)-	146	C11H14	053172-84-2	87
2	Benzene, (1,2-dimethyl-1-propenyl)-	146	C11H14	000769-57-3	87
3	1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	87
4	1H-Indene, 2,3-dihydro-1,2-dimet...	146	C11H14	017057-82-8	87
5	1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	83





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Data File : VV011993.D
Acq On : 24 Jul 2019 04:06
Operator : SY/MD
Sample : K3960-01
Misc : 25ML/MSVOA_V/WATER
ALS Vial : 37 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : DB9A6

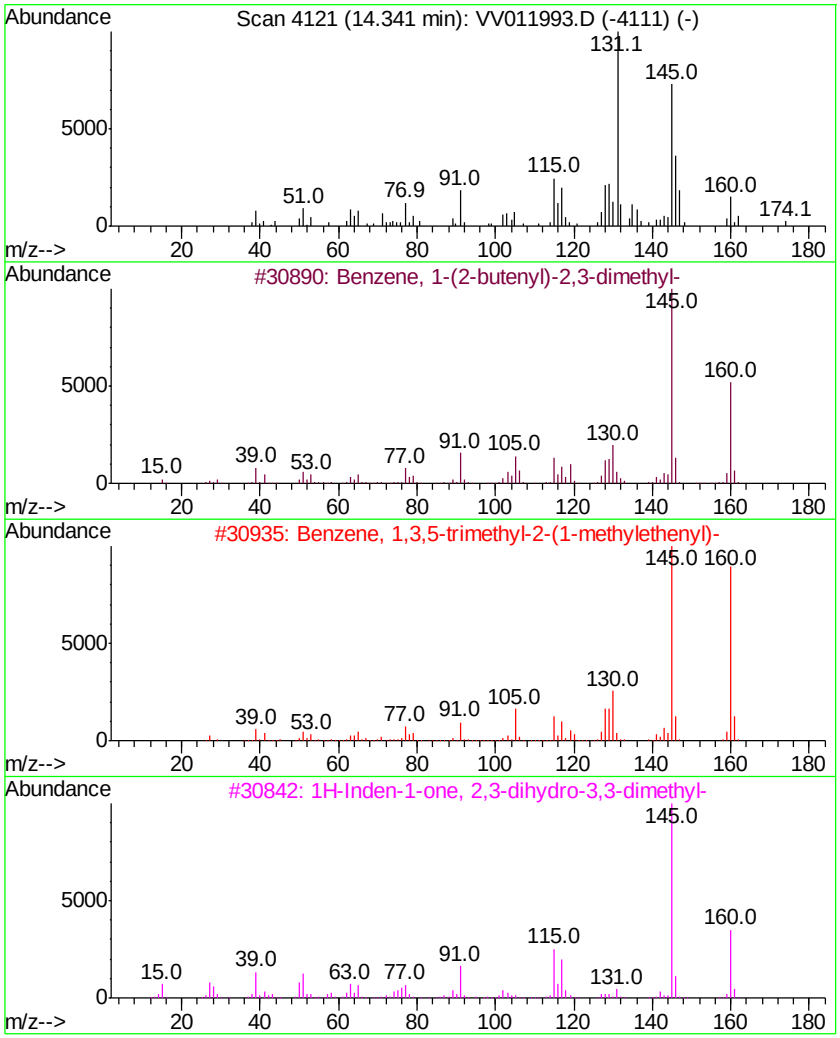
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR072219WMA.M
Quant Title : TRACE VOA SOM01.0

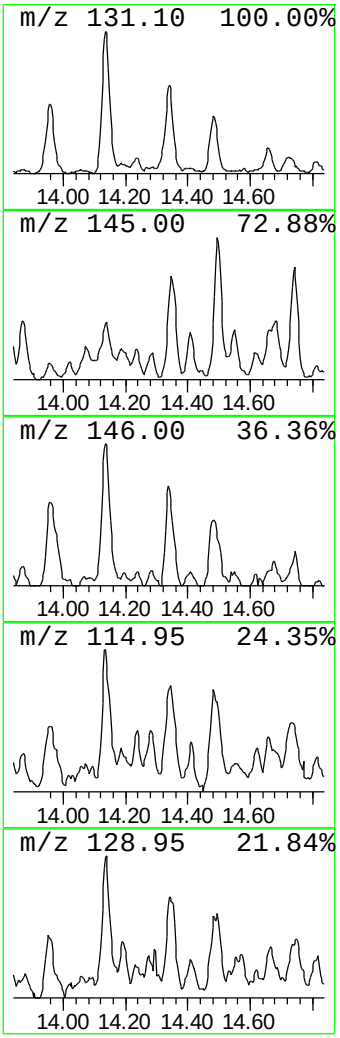
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 20 Benzene, 1-(2-butenyl)-2,3-... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.34	0.94 ug/L	84209	1,4-Dichlorobenzene-d4	11.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-(2-butenyl)-2,3-dimet...	160	C12H16	054340-85-1	60
2	Benzene, 1,3,5-trimethyl-2-(1-me...	160	C12H16	014679-13-1	49
3	1H-Inden-1-one, 2,3-dihydro-3,3-...	160	C11H12O	026465-81-6	46
4	Benzene, (2-methyl-1-butenyl)-	146	C11H14	056253-64-6	46
5	Benzene, 2-ethenyl-1,3,5-trimethyl-	146	C11H14	000769-25-5	45





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV072319\
Data File : VV011993.D
Acq On : 24 Jul 2019 04:06
Operator : SY/MD
Sample : K3960-01
Misc : 25ML/MSVOA_V/WATER
ALS Vial : 37 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : DB9A6

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR072219WMA.M
Quant Title : TRACE VOA SOM01.0

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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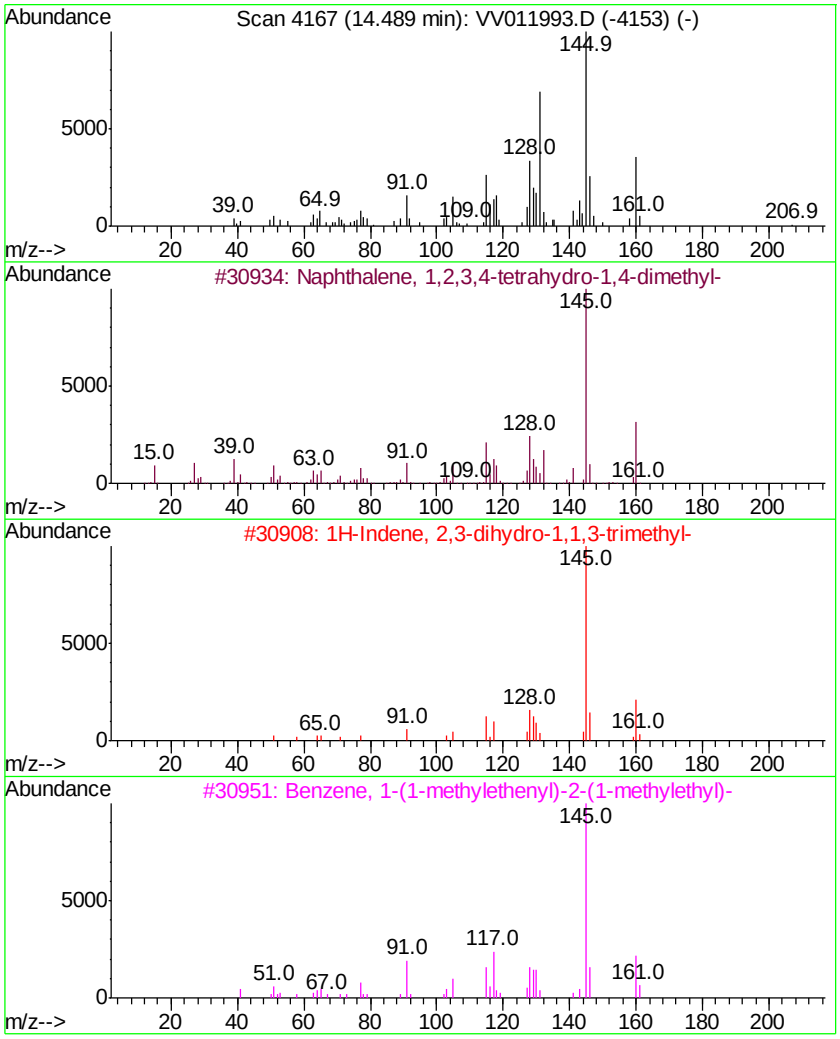
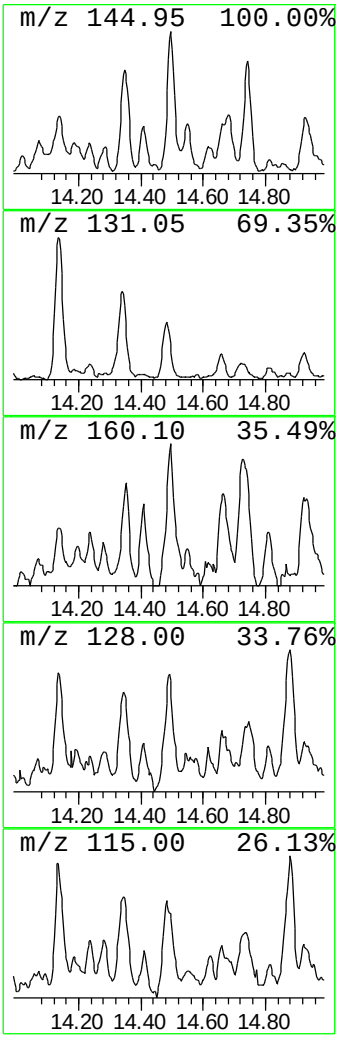
Peak Number 21 Naphthalene, 1,2,3,4-tetrah... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.49	0.99 ug/L	88814	1,4-Dichlorobenzene-d4	11.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,2,3,4-tetrahydro-...	160	C12H16	004175-54-6	81
2	1H-Indene, 2,3-dihydro-1,1,3-tri...	160	C12H16	002613-76-5	70
3	Benzene, 1-(1-methylethenyl)-2-(...	160	C12H16	005557-93-7	64
4	Benzene, (1,3-dimethyl-2-butenyl)-	160	C12H16	050704-01-3	62
5	Benzene, 1-(2-butenyl)-2,3-dimet...	160	C12H16	054340-85-1	60





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV072319\
Data File : VV011993.D
Acq On : 24 Jul 2019 04:06
Operator : SY/MD
Sample : K3960-01
Misc : 25ML/MSVOA_V/WATER
ALS Vial : 37 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : DB9A6

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR072219WMA.M
Quant Title : TRACE VOA SOM01.0

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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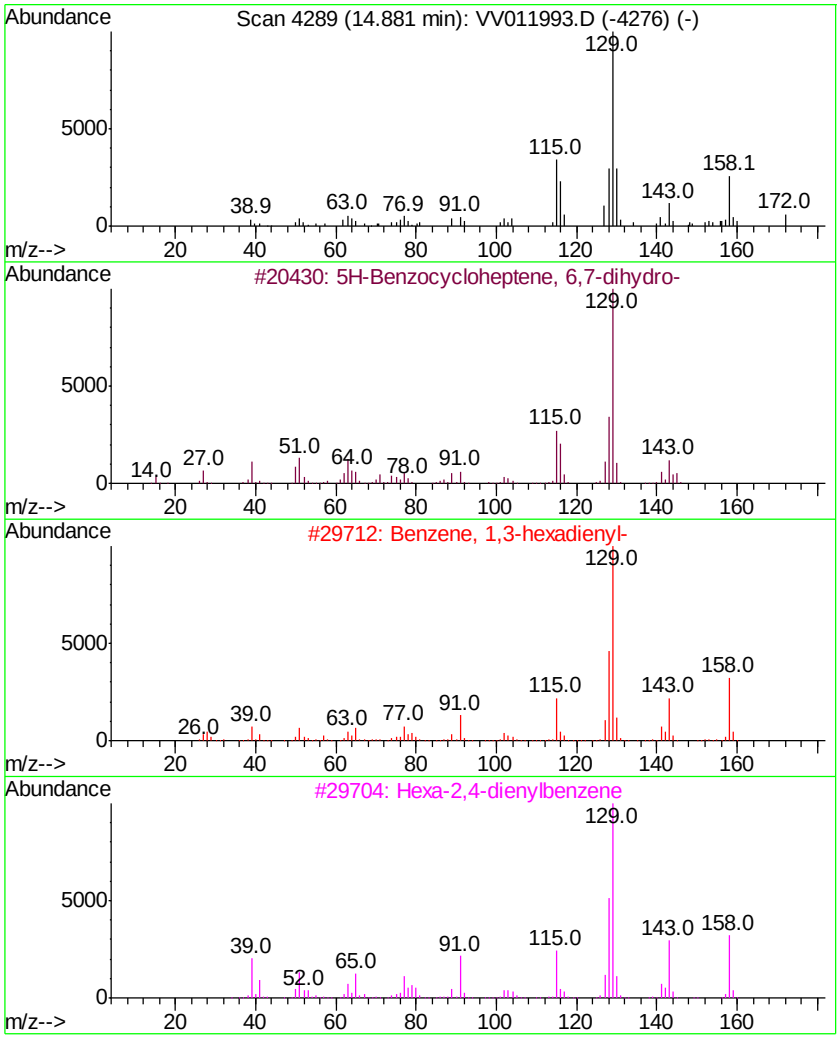
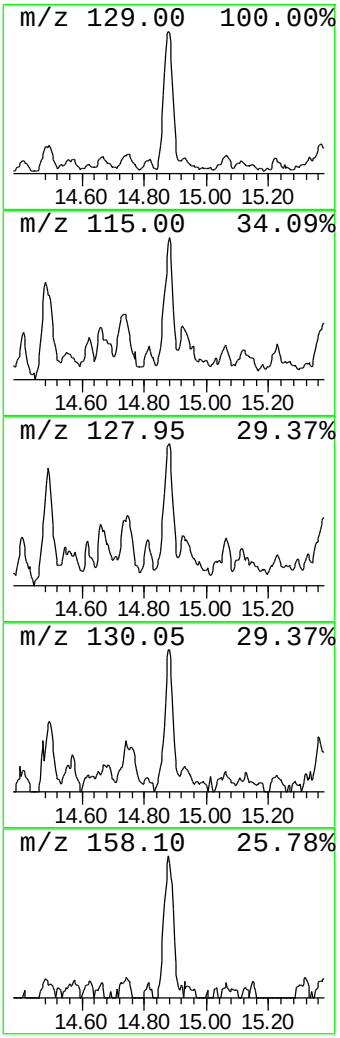
Peak Number 22 5H-Benzocycloheptene, 6,7-d... Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.88	0.75 ug/L	67070	1,4-Dichlorobenzene-d4	11.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5H-Benzocycloheptene, 6,7-dihydro-	144	C11H12	007125-62-4	93
2	Benzene, 1,3-hexadienyl-	158	C12H14	041635-77-2	46
3	Hexa-2,4-dienylbenzene	158	C12H14	079482-86-3	43
4	Benzene, 1,3-hexadienyl-	158	C12H14	041635-77-2	43
5	1-Naphthalenemethanol	158	C11H10O	004780-79-4	42





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV072319\
Data File : VV011993.D
Acq On : 24 Jul 2019 04:06
Operator : SY/MD
Sample : K3960-01
Misc : 25ML/MSVOA_V/WATER
ALS Vial : 37 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : DB9A6

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR072219WMA.M
Quant Title : TRACE VOA SOM01.0

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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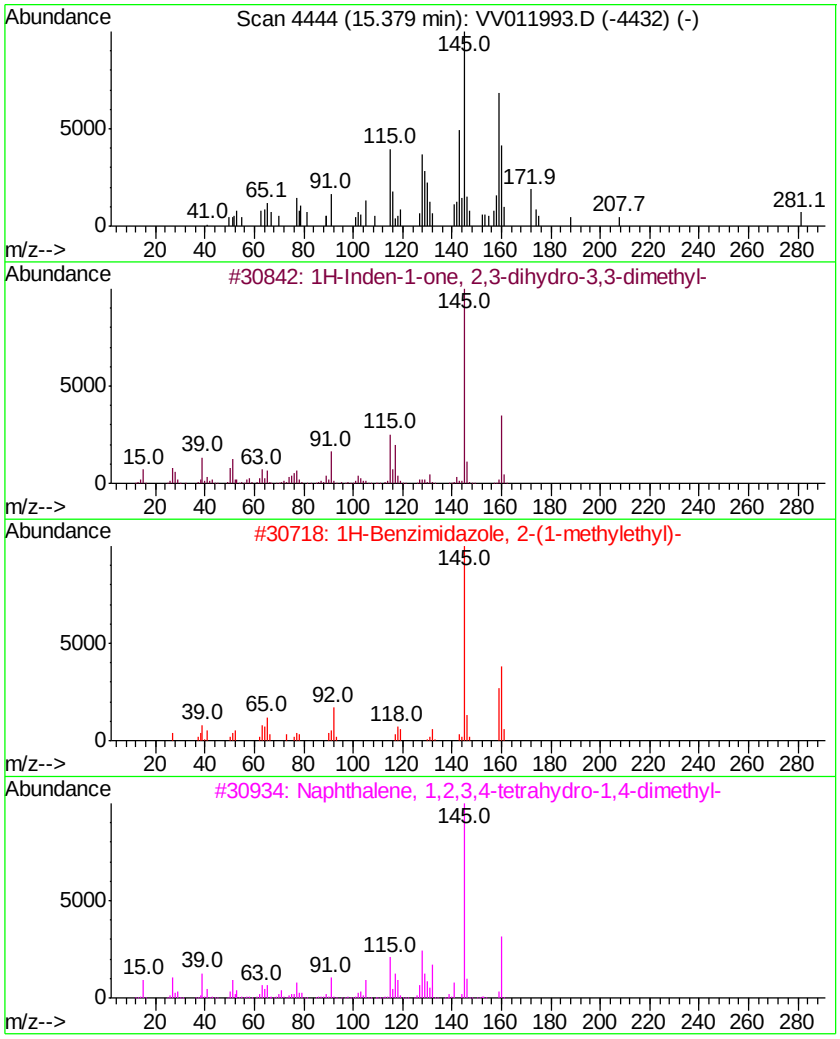
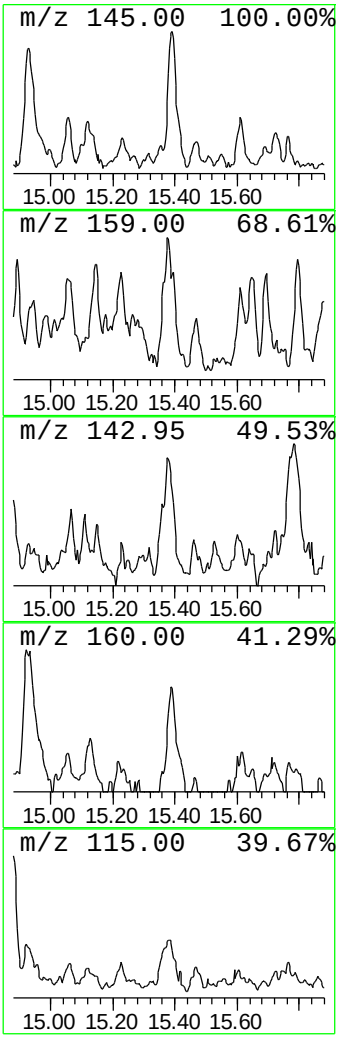
Peak Number 23 1H-Inden-1-one, 2,3-dihydro... Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.38	0.60 ug/L	54367	1,4-Dichlorobenzene-d4	11.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Inden-1-one, 2,3-dihydro-3,3-...	160	C11H12O	026465-81-6	50
2	1H-Benzimidazole, 2-(1-methyleth...	160	C10H12N2	005851-43-4	49
3	Naphthalene, 1,2,3,4-tetrahydro-...	160	C12H16	004175-54-6	49
4	Benzene, 4-(2-butenyl)-1,2-dimet...	160	C12H16	054340-86-2	49
5	Benzene, 1-(2-butenyl)-2,3-dimet...	160	C12H16	054340-85-1	49





Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV072319\
Data File : VV011993.D
Acq On : 24 Jul 2019 04:06
Operator : SY/MD
Sample : K3960-01
Misc : 25ML/MSVOA_V/WATER
ALS Vial : 37 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : DB9A6

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR072219WMA.M
Quant Title : TRACE VOA SOM01.0

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
(DEL) Alkane: Str...	7.61	0.6	ug/L	50614	2	8.89	433964	5.0
(DEL) Alkane: Cyc...	8.27	0.7	ug/L	58583	2	8.89	433964	5.0
(DEL) Alkane: Cyc...	8.33	0.6	ug/L	51428	2	8.89	433964	5.0
(DEL) Alkane: Cyc...	8.64	0.8	ug/L	66757	2	8.89	433964	5.0
(DEL) Alkane: Str...	8.71	0.7	ug/L	59360	2	8.89	433964	5.0
(DEL) Alkane: Str...	9.24	1.4	ug/L	119163	2	8.89	433964	5.0
(DEL) Alkane: Cyc...	9.51	0.7	ug/L	56986	2	8.89	433964	5.0
Benzene, 1-ethyl-...	10.49	1.6	ug/L	143465	3	11.29	449482	5.0
Indane	11.58	1.1	ug/L	95024	3	11.29	449482	5.0
3-Phenylbut-1-ene	12.93	0.9	ug/L	80326	3	11.29	449482	5.0
Benzene, (1,2-dim...	13.31	0.5	ug/L	46696	3	11.29	449482	5.0
1H-Indene, 2,3-di...	13.38	0.9	ug/L	85445	3	11.29	449482	5.0
1H-Indene, 2,3-di...	13.41	1.1	ug/L	103180	3	11.29	449482	5.0
Naphthalene, 1,2,...	13.76	0.8	ug/L	72876	3	11.29	449482	5.0
Benzene, (1-methy...	13.95	0.6	ug/L	53988	3	11.29	449482	5.0
Benzene, 1-(2-but...	14.34	0.9	ug/L	84209	3	11.29	449482	5.0
Naphthalene, 1,2,...	14.49	1.0	ug/L	88814	3	11.29	449482	5.0
5H-Benzocyclohept...	14.88	0.8	ug/L	67070	3	11.29	449482	5.0
1H-Inden-1-one, 2...	15.38	0.6	ug/L	54367	3	11.29	449482	5.0