LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX080919\
Data File : VX011407.D
Acq On : 09 Aug 2019 14:08
Operator : JC/SP
Sample : K4279-05
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : Z3-0668

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 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_X\METHOD\82X080119W.M
Title : SW846 8260

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.782	96	103	111	rBV	60803	86819	2.54%	0.388%
2	1.995	133	138	146	rVB	57046	83140	2.43%	0.371%
3	2.385	196	202	210	rBV	25985	49949	1.46%	0.223%
4	2.837	269	276	279	rBV	31240	62931	1.84%	0.281%
5	2.885	279	284	287	rVV	82281	169330	4.95%	0.756%
6	2.928	287	291	302	rVB	105591	215840	6.31%	0.964%
7	3.166	321	330	340	rBV	101431	234996	6.87%	1.049%
8	3.519	379	388	400	rBV2	19305	45067	1.32%	0.201%
9	4.397	521	532	546	rVB	284702	826063	24.16%	3.689%
10	5.495	699	712	717	rBV2	108382	309171	9.04%	1.381%
11	5.574	717	725	732	rVV	264865	816811	23.89%	3.648%
12	5.653	732	738	758	rVB2	211159	638477	18.67%	2.851%
13	5.940	772	785	794	rBV4	21353	74702	2.18%	0.334%
14	6.055	796	804	812	rVV	113103	295719	8.65%	1.321%
15	6.135	812	817	827	rVV	36906	100276	2.93%	0.448%
16	6.257	829	837	846	rVV4	19878	68067	1.99%	0.304%
17	6.354	847	853	861	rVV4	18607	52735	1.54%	0.236%
18	6.452	861	869	880	rVB	26619	73846	2.16%	0.330%
19	6.854	925	935	946	rBV	288063	686692	20.08%	3.067%
20	7.458	1023	1034	1043	rBV	159420	363141	10.62%	1.622%
21	8.714	1234	1240	1248	rVB	589913	907057	26.53%	4.051%
22	9.037	1288	1293	1301	rVB2	19971	35704	1.04%	0.159%
23	10.110	1462	1469	1477	rBV	595602	777385	22.74%	3.472%
24	10.250	1486	1492	1502	rBV	2757484	3419292	100.00%	15.270%
25	10.360	1502	1510	1516	rVB	155086	206791	6.05%	0.923%
26	11.018	1612	1618	1629	rVB	292406	384433	11.24%	1.717%
27	11.134	1629	1637	1644	rBV	502922	645151	18.87%	2.881%
28	11.359	1669	1674	1680	rBV	309385	390232	11.41%	1.743%
29	11.451	1685	1689	1693	rBV	78586	96373	2.82%	0.430%
30	11.664	1716	1724	1734	rBV	1077335	1338494	39.15%	5.977%
31	11.804	1742	1747	1752	rVB	2500816	2950976	86.30%	13.178%
32	11.945	1767	1770	1778	rVB	38612	51085	1.49%	0.228%
33	12.073	1786	1791	1797	rBV	645374	815963	23.86%	3.644%
34	12.140	1797	1802	1807	rVB	1224387	1411531	41.28%	6.304%

LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX080919\
Data File : VX011407.D
Acq On : 09 Aug 2019 14:08
Operator : JC/SP
Sample : K4279-05
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : Z3-0668

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 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_X\METHOD\82X080119W.M
Title : SW846 8260

35	12.298	1822	1828	1833	rBV	431704	547034	16.00%	2.443%
36	12.365	1834	1839	1849	rVB2	48484	90155	2.64%	0.403%
37	12.457	1849	1854	1859	rBV2	43235	61921	1.81%	0.277%
38	12.518	1859	1864	1869	rVB	79016	98566	2.88%	0.440%
39	12.585	1870	1875	1877	rBV	99247	132801	3.88%	0.593%
40	12.609	1877	1879	1883	rVV	95920	96609	2.83%	0.431%
41	12.664	1883	1888	1891	rVV	108228	128913	3.77%	0.576%
42	12.701	1891	1894	1898	rVV	43874	56393	1.65%	0.252%
43	12.755	1898	1903	1909	rVB2	115002	183616	5.37%	0.820%
44	12.902	1921	1927	1932	rVB2	75502	98696	2.89%	0.441%
45	12.975	1932	1939	1942	rVV	79926	101071	2.96%	0.451%
46	13.018	1942	1946	1952	rVB	130505	159620	4.67%	0.713%
47	13.341	1995	1999	2005	rVB2	268991	364691	10.67%	1.629%
48	13.475	2016	2021	2027	rVB	143999	177740	5.20%	0.794%
49	13.719	2058	2061	2068	rVB3	26600	48881	1.43%	0.218%
50	13.828	2071	2079	2088	rVB	810923	1064544	31.13%	4.754%
51	14.694	2216	2221	2231	rVB	119218	154647	4.52%	0.691%
52	14.834	2238	2244	2253	rBV	105976	142252	4.16%	0.635%

Sum of corrected areas: 22392389

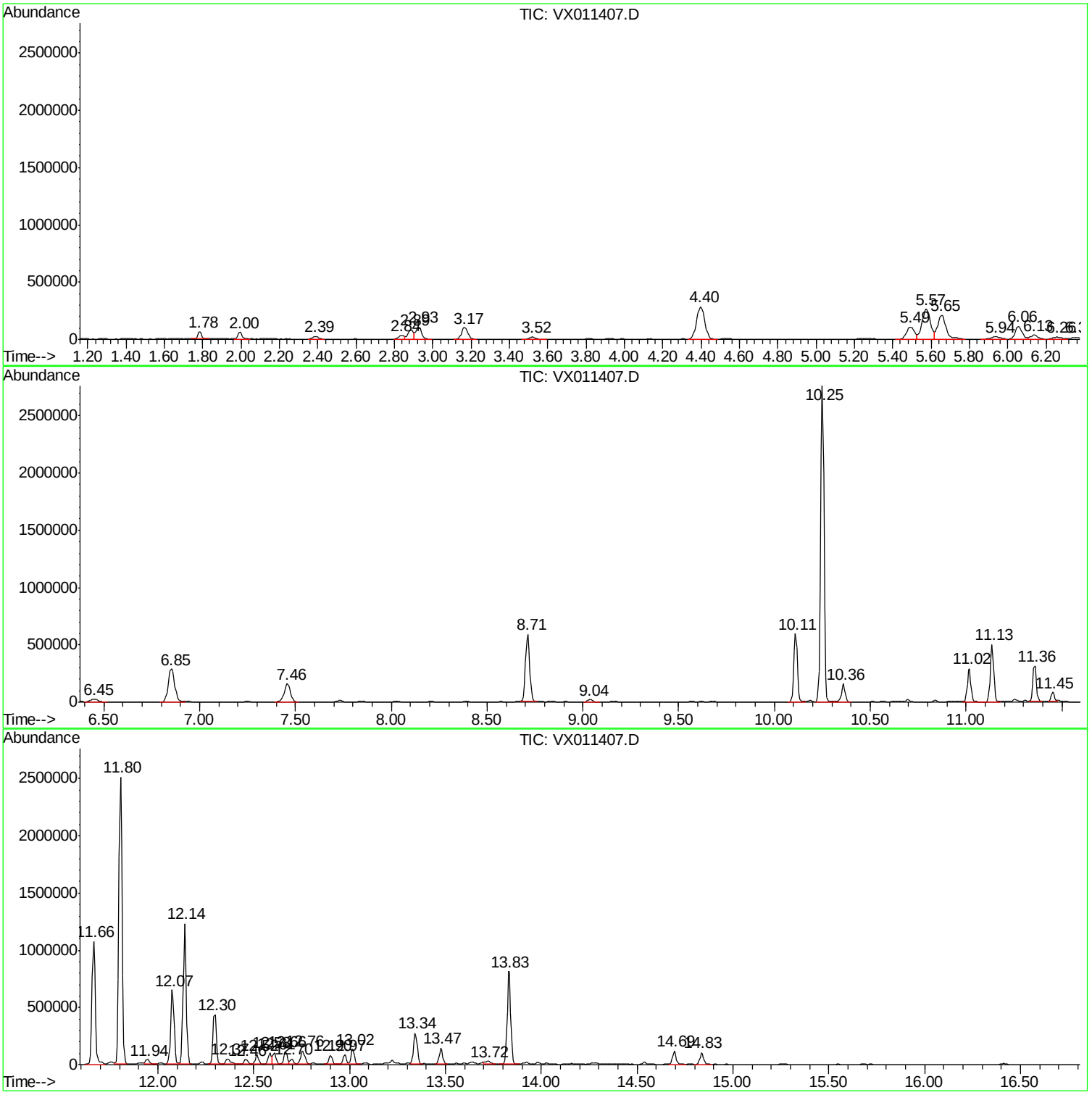
LSC Report - Integrated Chromatogram

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX080919\
Data File : VX011407.D
Acq On : 09 Aug 2019 14:08
Operator : JC/SP
Sample : K4279-05
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : Z3-0668

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X080119W.M
Quant Title : SW846 8260

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



Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX080919\
Data File : VX011407.D
Acq On : 09 Aug 2019 14:08
Operator : JC/SP
Sample : K4279-05
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : Z3-0668

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X080119W.M
Quant Title : SW846 8260

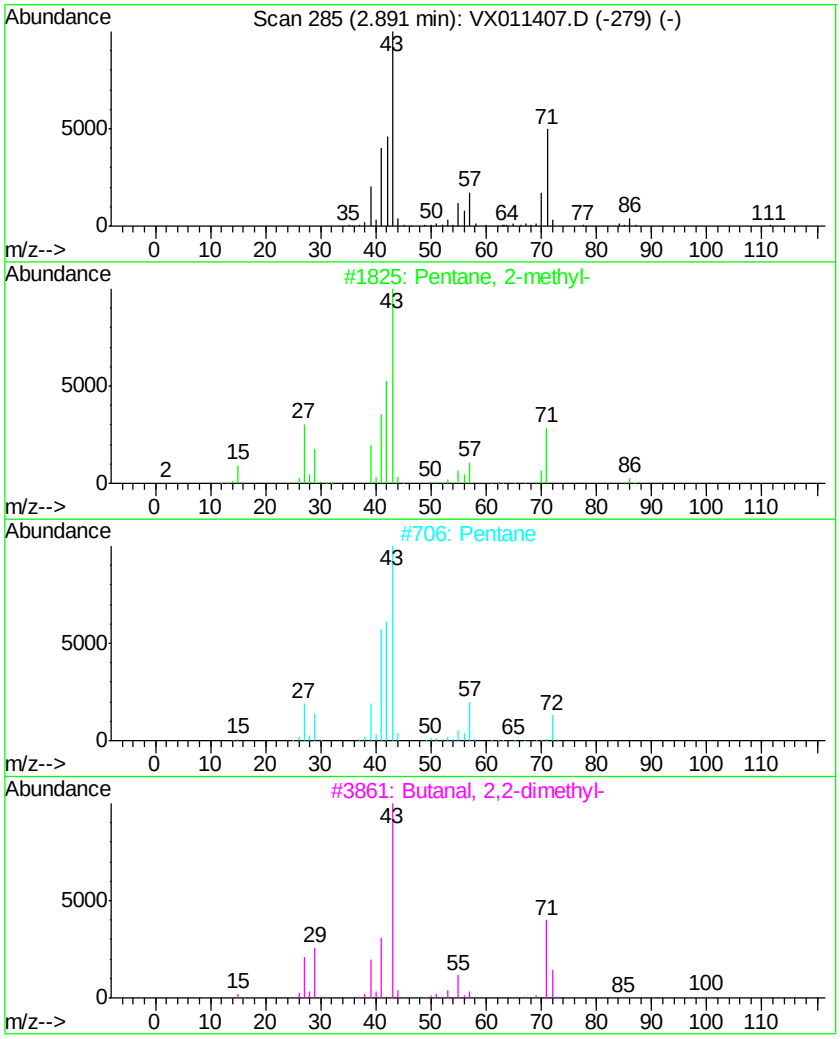
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

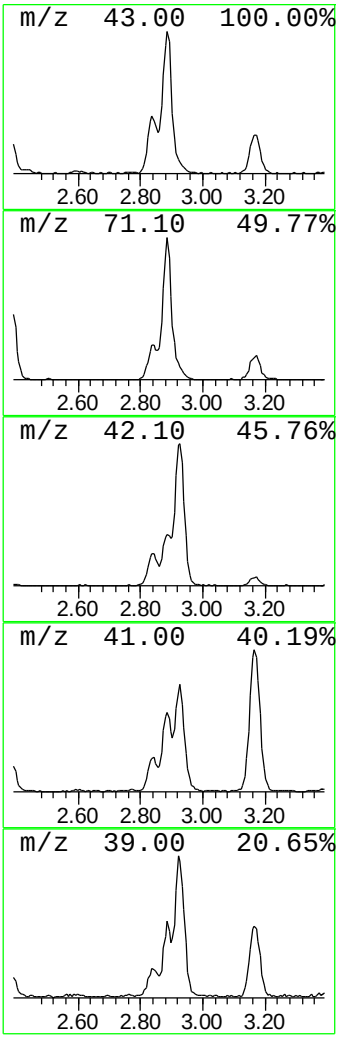
****

Peak Number 1 Pentane, 2-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.89	13.26 ug/l	169330	Pentafluorobenzene	5.66

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 2-methyl-	86	C6H14	000107-83-5	64
2	Pentane	72	C5H12	000109-66-0	43
3	Butanal, 2,2-dimethyl-	100	C6H12O	002094-75-9	38
4	Pentane, 3,3-dimethyl-	100	C7H16	000562-49-2	38
5	1-Butanol, 2,3-dimethyl-	102	C6H14O	019550-30-2	38





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX080919\
Data File : VX011407.D
Acq On : 09 Aug 2019 14:08
Operator : JC/SP
Sample : K4279-05
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : Z3-0668

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X080119W.M
Quant Title : SW846 8260

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

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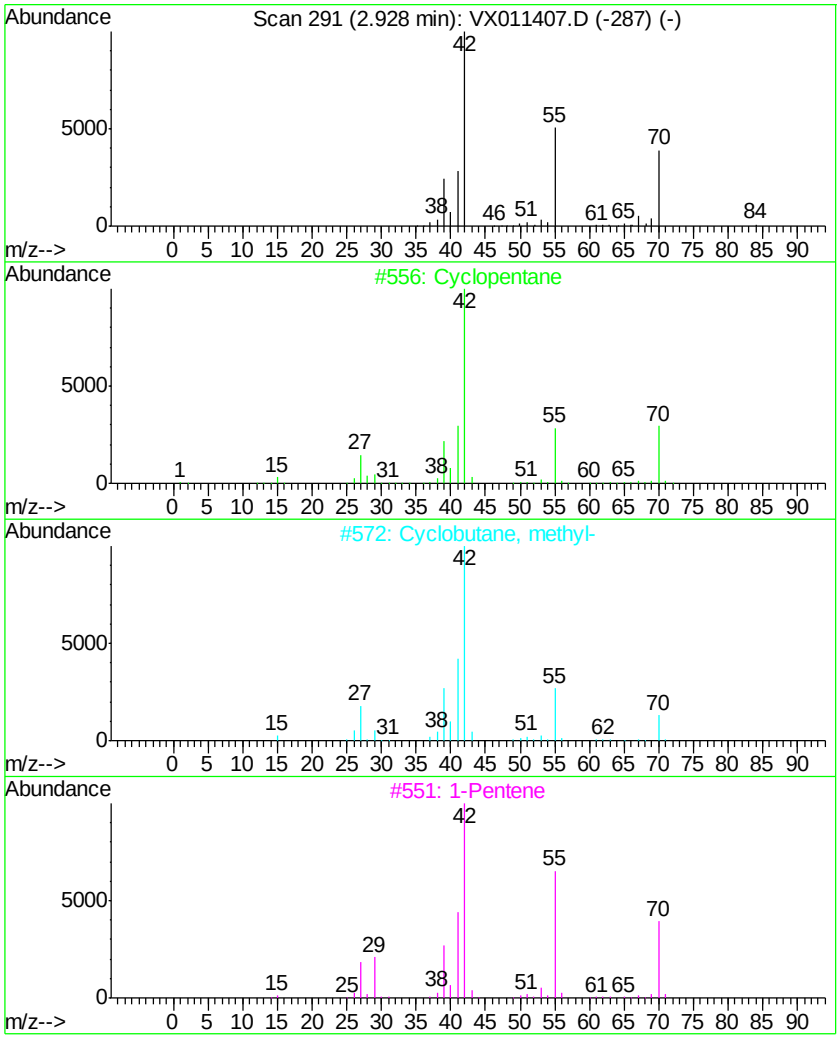
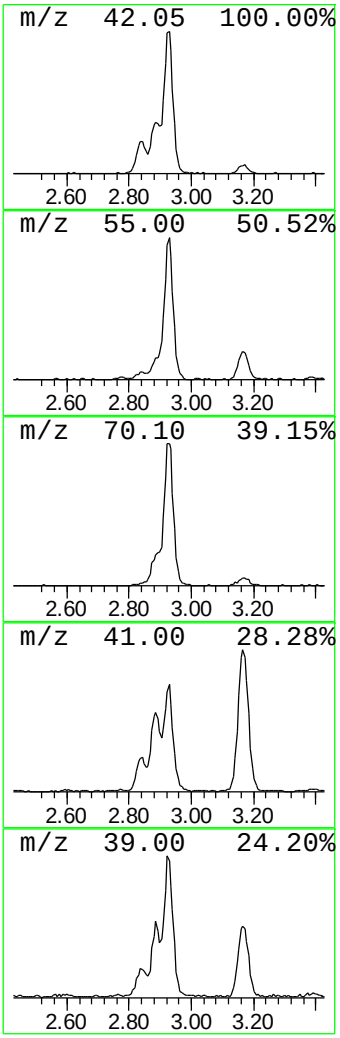
Peak Number 2 Cyclopentane Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.93	16.90 ug/l	215840	Pentafluorobenzene	5.66

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane	70	C5H10	000287-92-3	72
2	Cyclobutane, methyl-	70	C5H10	000598-61-8	56
3	1-Pentene	70	C5H10	000109-67-1	50
4	2-Pentene	70	C5H10	000109-68-2	47
5	2-Pentene, (Z)-	70	C5H10	000627-20-3	47





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX080919\
Data File : VX011407.D
Acq On : 09 Aug 2019 14:08
Operator : JC/SP
Sample : K4279-05
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : Z3-0668

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X080119W.M
Quant Title : SW846 8260

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

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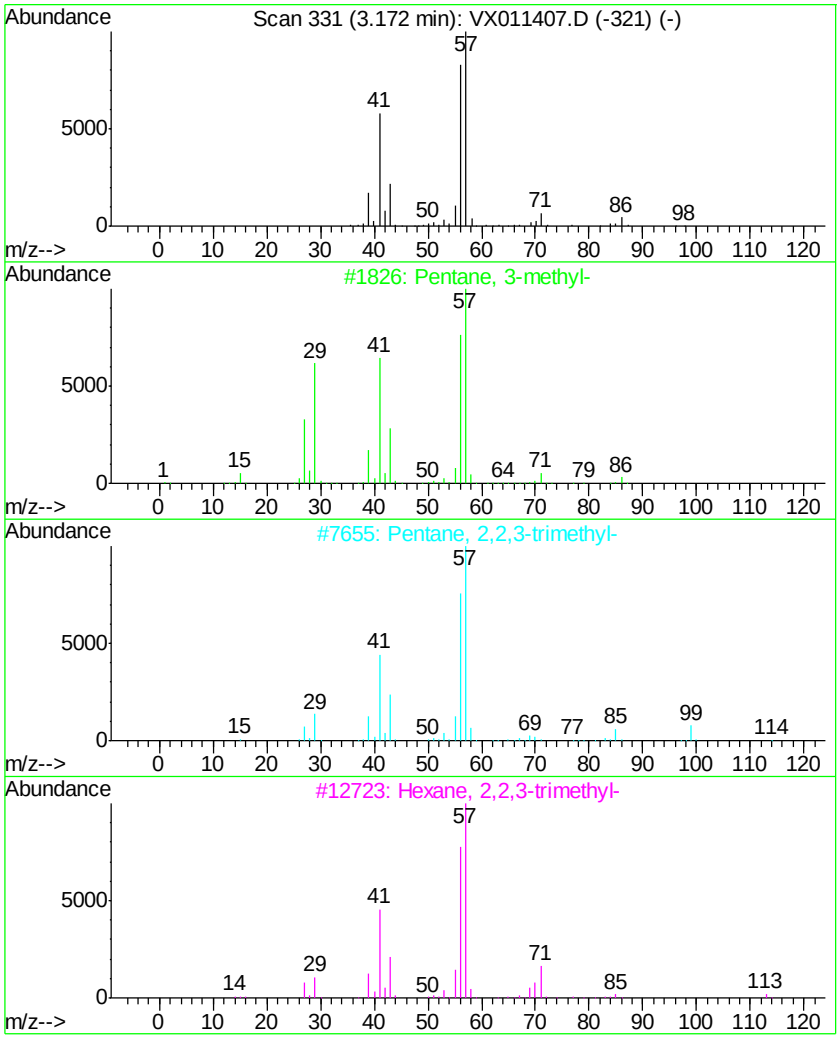
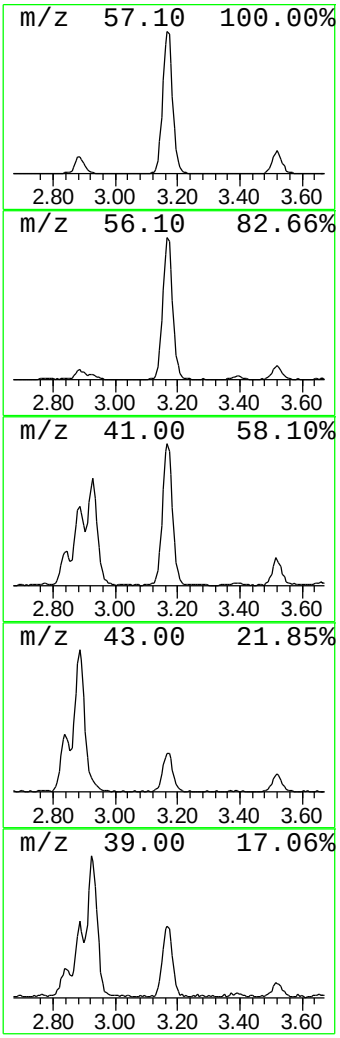
Peak Number 3 Pentane, 3-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.17	18.40 ug/l	234996	Pentafluorobenzene	5.66

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 3-methyl-	86	C6H14	000096-14-0	90
2	Pentane, 2,2,3-trimethyl-	114	C8H18	000564-02-3	72
3	Hexane, 2,2,3-trimethyl-	128	C9H20	016747-25-4	72
4	Butane, 2,2,3-trimethyl-	100	C7H16	000464-06-2	64
5	Decane, 2,2,3-trimethyl-	184	C13H28	062338-09-4	56





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX080919\
Data File : VX011407.D
Acq On : 09 Aug 2019 14:08
Operator : JC/SP
Sample : K4279-05
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : Z3-0668

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X080119W.M
Quant Title : SW846 8260

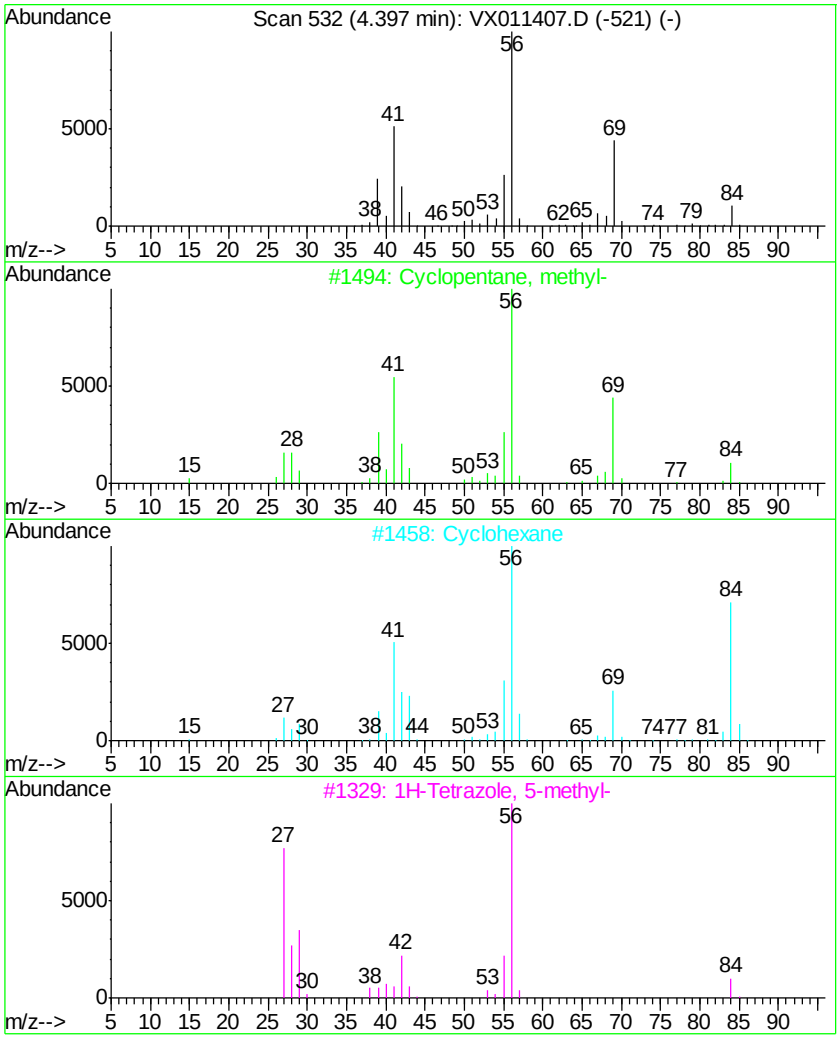
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

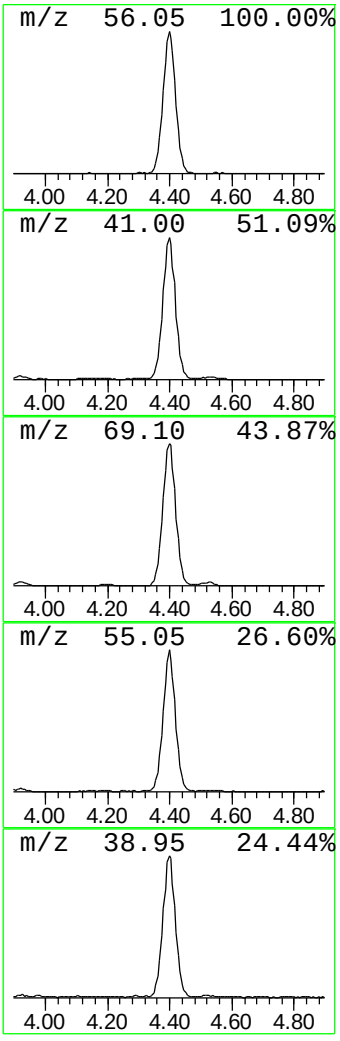
****

Peak Number 4 Cyclopentane, methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.40	64.69 ug/l	826063	Pentafluorobenzene	5.66

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, methyl-	84	C6H12	000096-37-7	94
2	Cyclohexane	84	C6H12	000110-82-7	78
3	1H-Tetrazole, 5-methyl-	84	C2H4N4	004076-36-2	72
4	Cyclobutane, ethyl-	84	C6H12	004806-61-5	64
5	1-Pentene, 2-methyl-	84	C6H12	000763-29-1	56





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX080919\
Data File : VX011407.D
Acq On : 09 Aug 2019 14:08
Operator : JC/SP
Sample : K4279-05
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : Z3-0668

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X080119W.M
Quant Title : SW846 8260

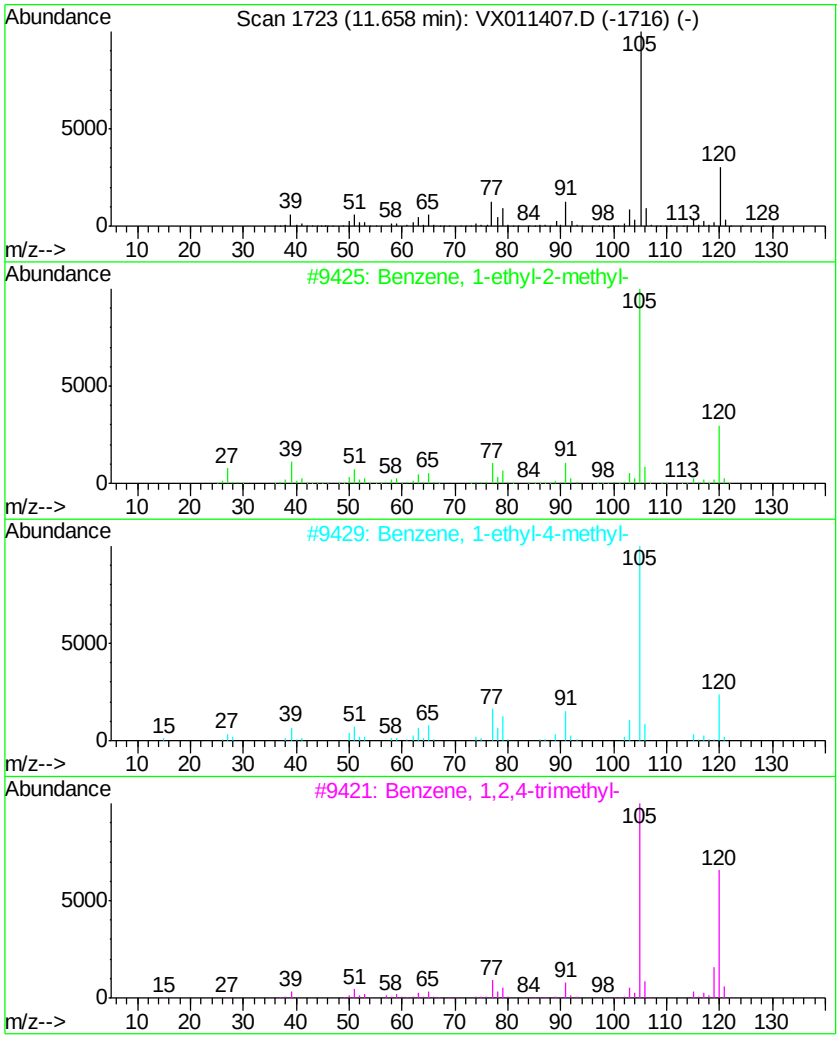
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

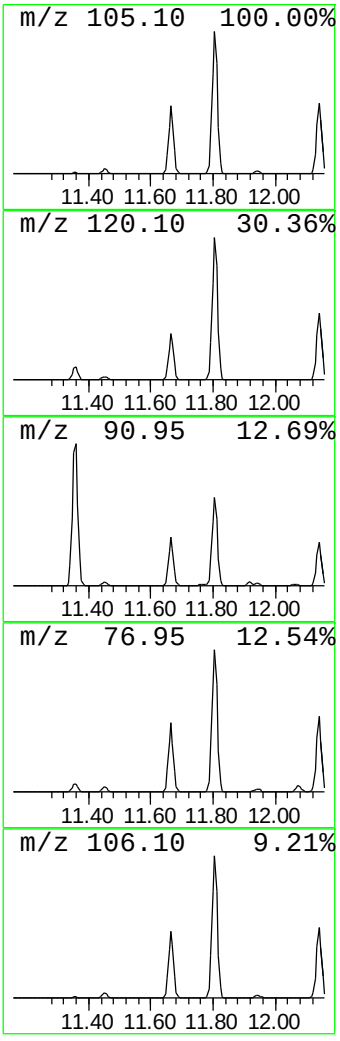
****

Peak Number 5 Benzene, 1-ethyl-2-methyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.66	82.02 ug/l	1338490	1,4-Dichlorobenzene-d4	12.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	94
2	Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	93
3	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	90
4	Mesitylene	120	C9H12	000108-67-8	90
5	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	90





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX080919\
Data File : VX011407.D
Acq On : 09 Aug 2019 14:08
Operator : JC/SP
Sample : K4279-05
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : Z3-0668

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X080119W.M
Quant Title : SW846 8260

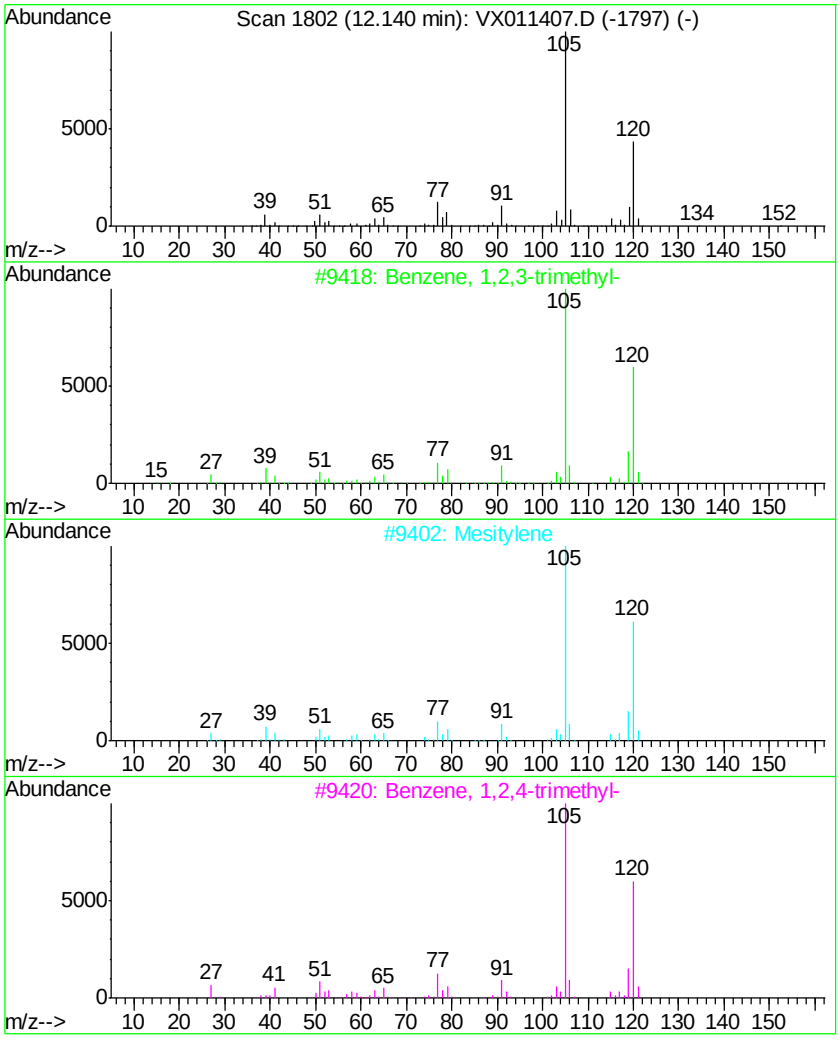
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

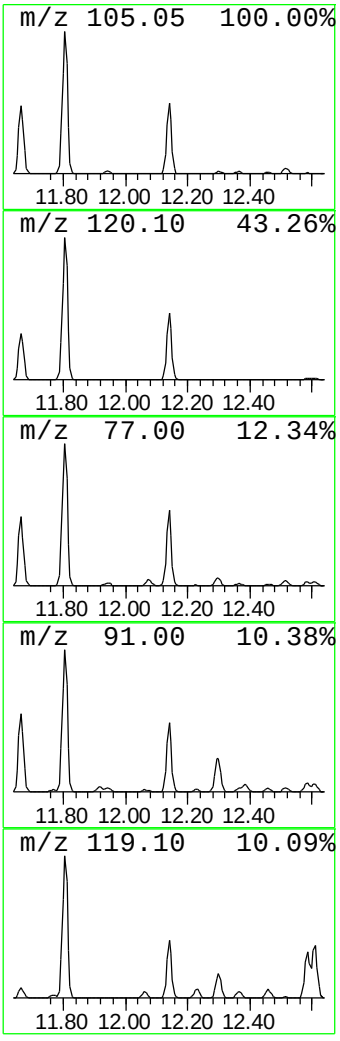
****

Peak Number 6 Benzene, 1,2,3-trimethyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.14	86.49 ug/l	1411530	1,4-Dichlorobenzene-d4	12.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	95
2	Mesitylene	120	C9H12	000108-67-8	93
3	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	91
4	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	91
5	Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	91





Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX080919\
Data File : VX011407.D
Acq On : 09 Aug 2019 14:08
Operator : JC/SP
Sample : K4279-05
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : Z3-0668

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X080119W.M
Quant Title : SW846 8260

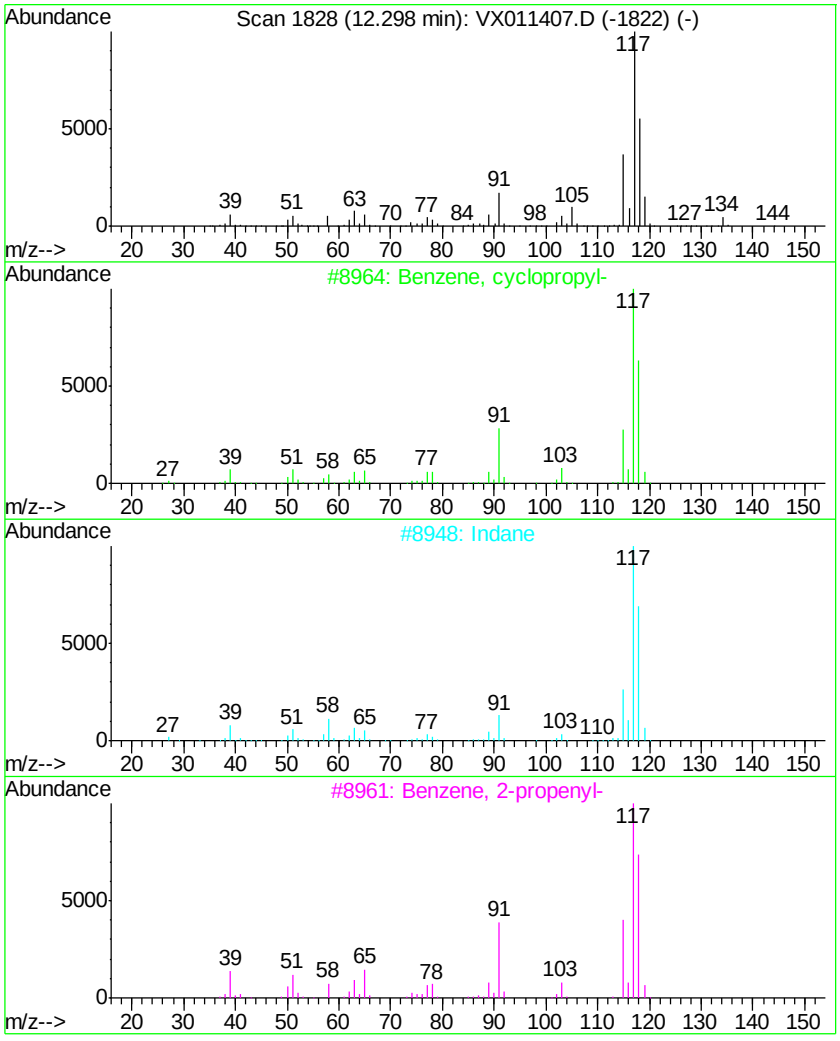
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

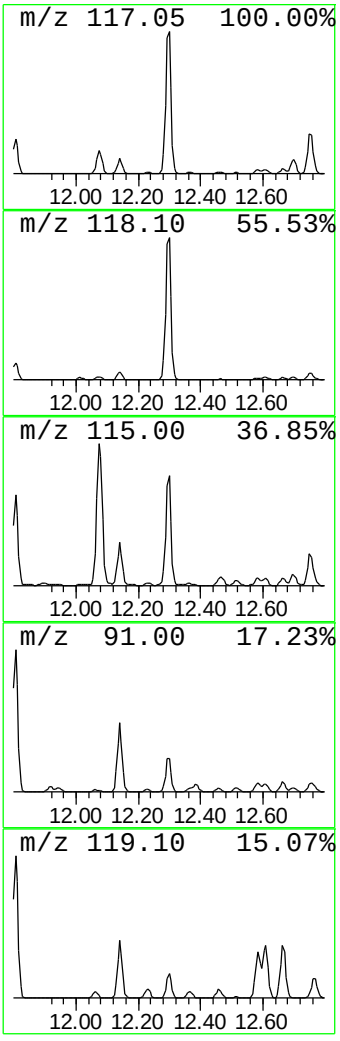
****

Peak Number 7 Benzene, cyclopropyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.30	33.52 ug/l	547034	1,4-Dichlorobenzene-d4	12.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, cyclopropyl-	118	C9H10	000873-49-4	81
2	Indane	118	C9H10	000496-11-7	81
3	Benzene, 2-propenyl-	118	C9H10	000300-57-2	74
4	Benzene, 1-propenyl-	118	C9H10	000637-50-3	74
5	1,4:5,8-Dimethanobiphenylene, 1,...	184	C14H16	001624-13-1	72





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX080919\
Data File : VX011407.D
Acq On : 09 Aug 2019 14:08
Operator : JC/SP
Sample : K4279-05
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : Z3-0668

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X080119W.M
Quant Title : SW846 8260

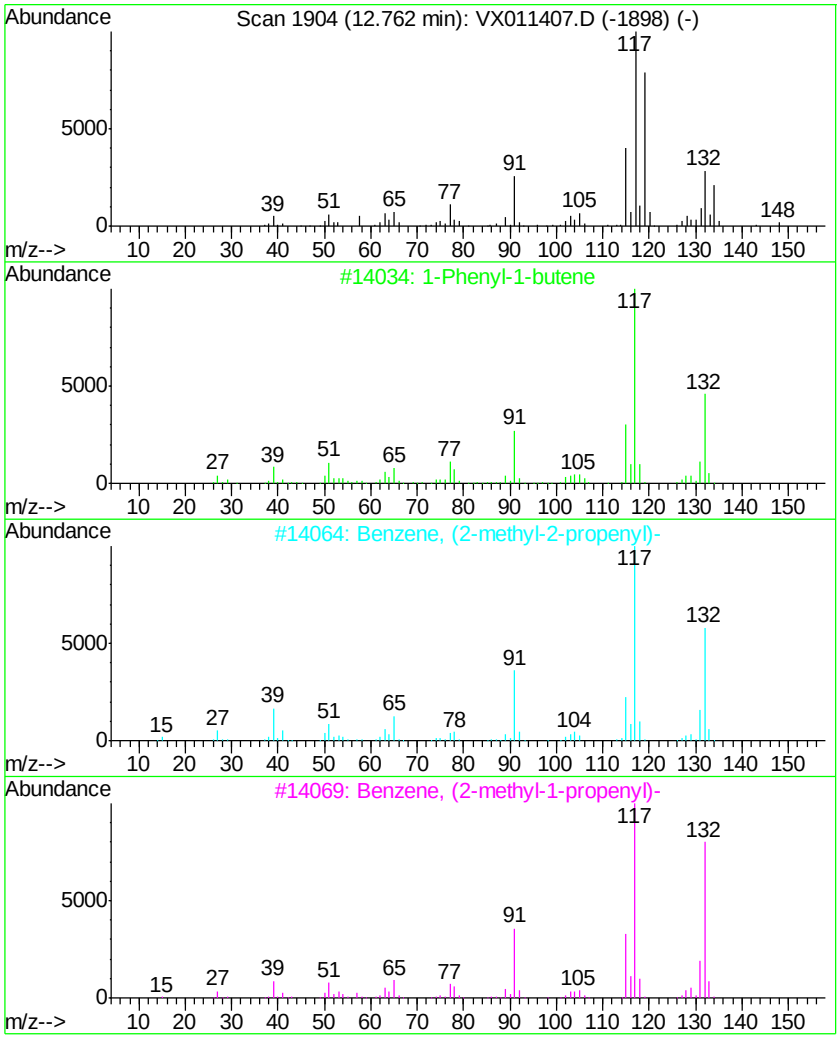
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

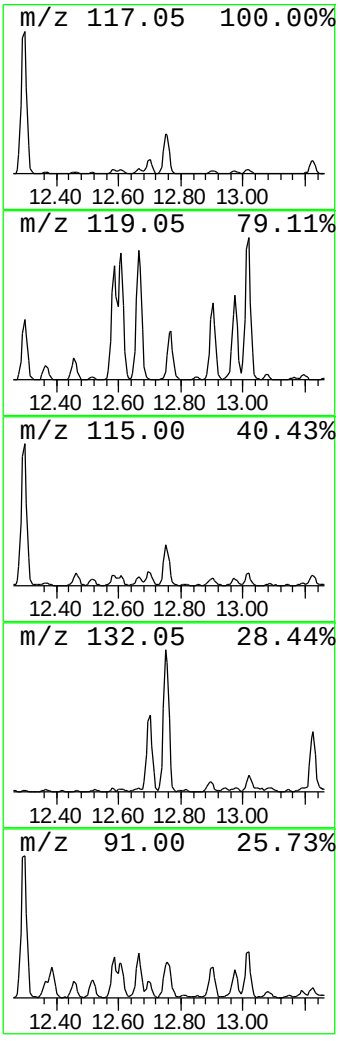
****

Peak Number 8 1-Phenyl-1-butene Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.76	11.25 ug/l	183616	1,4-Dichlorobenzene-d4	12.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Phenyl-1-butene	132	C10H12	000824-90-8	81
2	Benzene, (2-methyl-2-propenyl)-	132	C10H12	003290-53-7	80
3	Benzene, (2-methyl-1-propenyl)-	132	C10H12	000768-49-0	80
4	Indan, 1-methyl-	132	C10H12	000767-58-8	76
5	(E)-1-Phenyl-1-butene	132	C10H12	001005-64-7	72





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX080919\
Data File : VX011407.D
Acq On : 09 Aug 2019 14:08
Operator : JC/SP
Sample : K4279-05
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : Z3-0668

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X080119W.M
Quant Title : SW846 8260

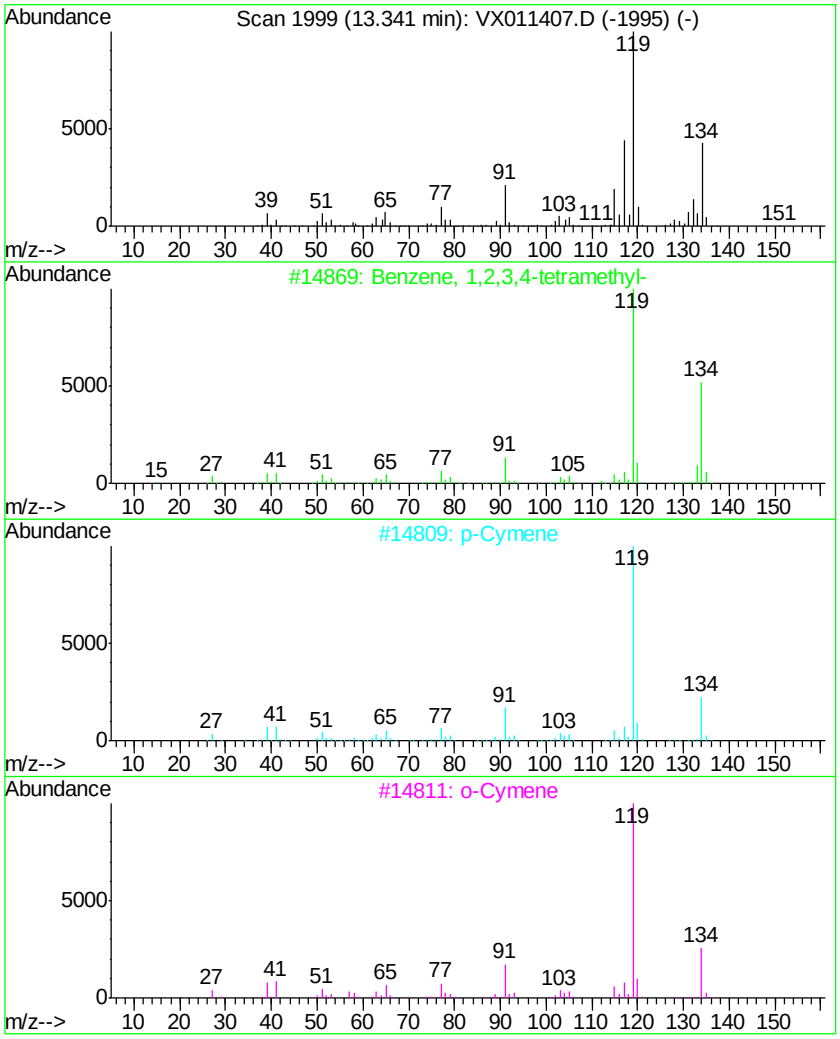
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

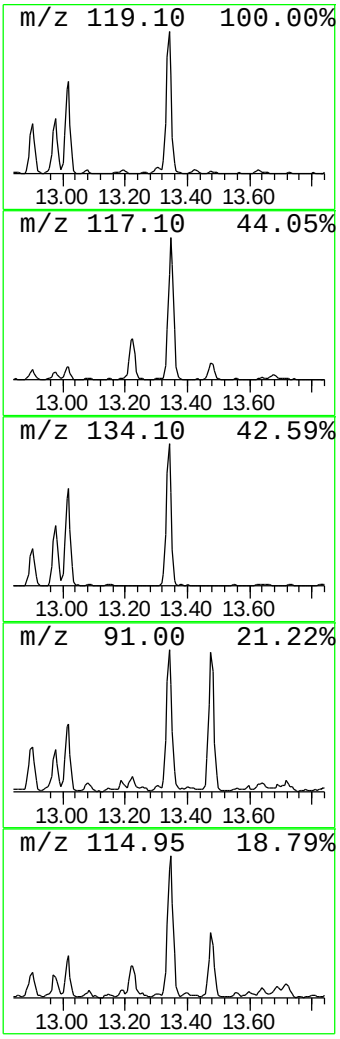
****

Peak Number 9 Benzene, 1,2,3,4-tetramethyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.34	22.35 ug/l	364691	1,4-Dichlorobenzene-d4	12.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	70
2	p-Cymene	134	C10H14	000099-87-6	70
3	o-Cymene	134	C10H14	000527-84-4	70
4	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	70
5	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	70





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX080919\
Data File : VX011407.D
Acq On : 09 Aug 2019 14:08
Operator : JC/SP
Sample : K4279-05
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : Z3-0668

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X080119W.M
Quant Title : SW846 8260

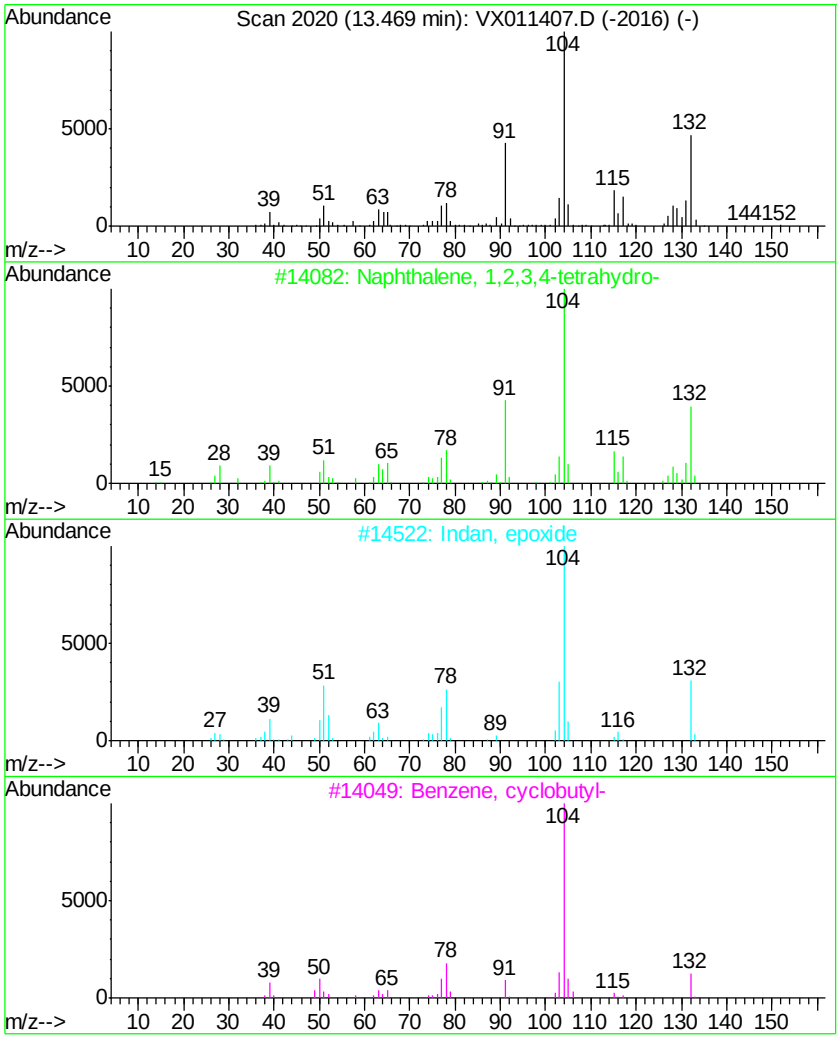
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

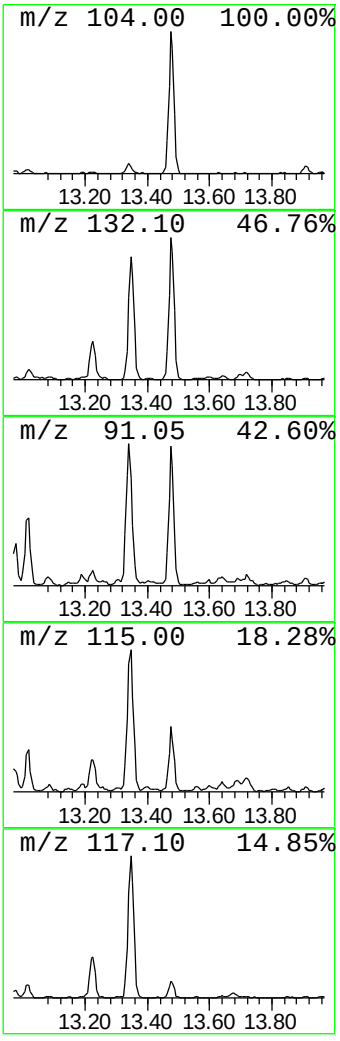
****

Peak Number 10 Naphthalene, 1,2,3,4-tetrah... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.47	10.89 ug/l	177740	1,4-Dichlorobenzene-d4	12.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,2,3,4-tetrahydro-	132	C10H12	000119-64-2	96
2	Indan, epoxide	132	C9H8O	000768-22-9	52
3	Benzene, cyclobutyl-	132	C10H12	004392-30-7	42
4	Benzene, 1,1'-(1,2-cyclobutanedi...	208	C16H16	007694-30-6	38
5	Phensuximide	189	C11H11NO2	000086-34-0	38





Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX080919\
Data File : VX011407.D
Acq On : 09 Aug 2019 14:08
Operator : JC/SP
Sample : K4279-05
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : Z3-0668

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X080119W.M
Quant Title : SW846 8260

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

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Pentane, 2-methyl-	2.89	13.3	ug/l	169330	1	5.66	638477	50.0
Cyclopentane	2.93	16.9	ug/l	215840	1	5.66	638477	50.0
Pentane, 3-methyl-	3.17	18.4	ug/l	234996	1	5.66	638477	50.0
Cyclopentane, met...	4.40	64.7	ug/l	826063	1	5.66	638477	50.0
Benzene, 1-ethyl-...	11.66	82.0	ug/l	1338490	4	12.07	815963	50.0
Benzene, 1,2,3-tr...	12.14	86.5	ug/l	1411530	4	12.07	815963	50.0
Benzene, cyclopro...	12.30	33.5	ug/l	547034	4	12.07	815963	50.0
1-Phenyl-1-butene	12.76	11.3	ug/l	183616	4	12.07	815963	50.0
Benzene, 1,2,3,4-...	13.34	22.4	ug/l	364691	4	12.07	815963	50.0
Naphthalene, 1,2,...	13.47	10.9	ug/l	177740	4	12.07	815963	50.0