LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN043020\
Data File : VN061213.D
Acq On : 30 Apr 2020 19:47
Operator : JC/MD
Sample : L2453-05
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument : MSVOA_N
ClientSampleId : MW-5

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_N\METHODS\82N042720W.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	1.638	3	15	69	rBV	3669791	14343211	100.00%	45.384%
2	2.770	351	367	387	rBV	157246	323376	2.25%	1.023%
3	3.101	454	470	493	rVB	70488	164615	1.15%	0.521%
4	4.545	909	919	942	rVB3	64462	202370	1.41%	0.640%
5	5.002	1037	1061	1091	rVB	49879	175383	1.22%	0.555%
6	6.580	1531	1552	1573	rBV2	125731	386430	2.69%	1.223%
7	7.548	1831	1853	1863	rBV2	84954	222003	1.55%	0.702%
8	7.625	1863	1877	1891	rVV4	218177	580191	4.05%	1.836%
9	7.989	1973	1990	2009	rBV	113150	267841	1.87%	0.847%
10	8.551	2148	2165	2188	rBV2	314525	717492	5.00%	2.270%
11	10.059	2620	2634	2646	rBV	433486	796506	5.55%	2.520%
12	10.123	2646	2654	2666	rVB	99301	176355	1.23%	0.558%
13	11.381	3031	3045	3065	rBV	400236	696481	4.86%	2.204%
14	11.484	3065	3077	3095	rVB	87910	148835	1.04%	0.471%
15	11.596	3096	3112	3134	rBV	459317	885226	6.17%	2.801%
16	11.921	3200	3213	3232	rBV	355273	583284	4.07%	1.846%
17	12.223	3296	3307	3319	rBV	128734	206071	1.44%	0.652%
18	12.377	3340	3355	3379	rBV	319467	535329	3.73%	1.694%
19	12.567	3396	3414	3423	rBV	173895	278304	1.94%	0.881%
20	12.631	3423	3434	3439	rVV	517608	836528	5.83%	2.647%
21	12.664	3440	3444	3451	rVV	420197	581221	4.05%	1.839%
22	12.709	3451	3458	3473	rVB	321466	507741	3.54%	1.607%
23	12.866	3489	3507	3525	rBV	789575	1275266	8.89%	4.035%
24	13.014	3537	3553	3566	rBV	2332699	3650626	25.45%	11.551%
25	13.319	3636	3648	3651	rBV	420573	629520	4.39%	1.992%
26	13.348	3652	3657	3688	rVB	769195	1191599	8.31%	3.770%
27	13.519	3688	3710	3718	rBV	249461	458017	3.19%	1.449%
28	13.866	3809	3818	3828	rVB	101177	153952	1.07%	0.487%
29	14.223	3923	3929	3939	rVB	99180	149863	1.04%	0.474%
30	14.567	4023	4036	4048	rBV3	104710	211028	1.47%	0.668%
31	15.107	4192	4204	4219	rVB	154539	269171	1.88%	0.852%

Sum of corrected areas: 31603835

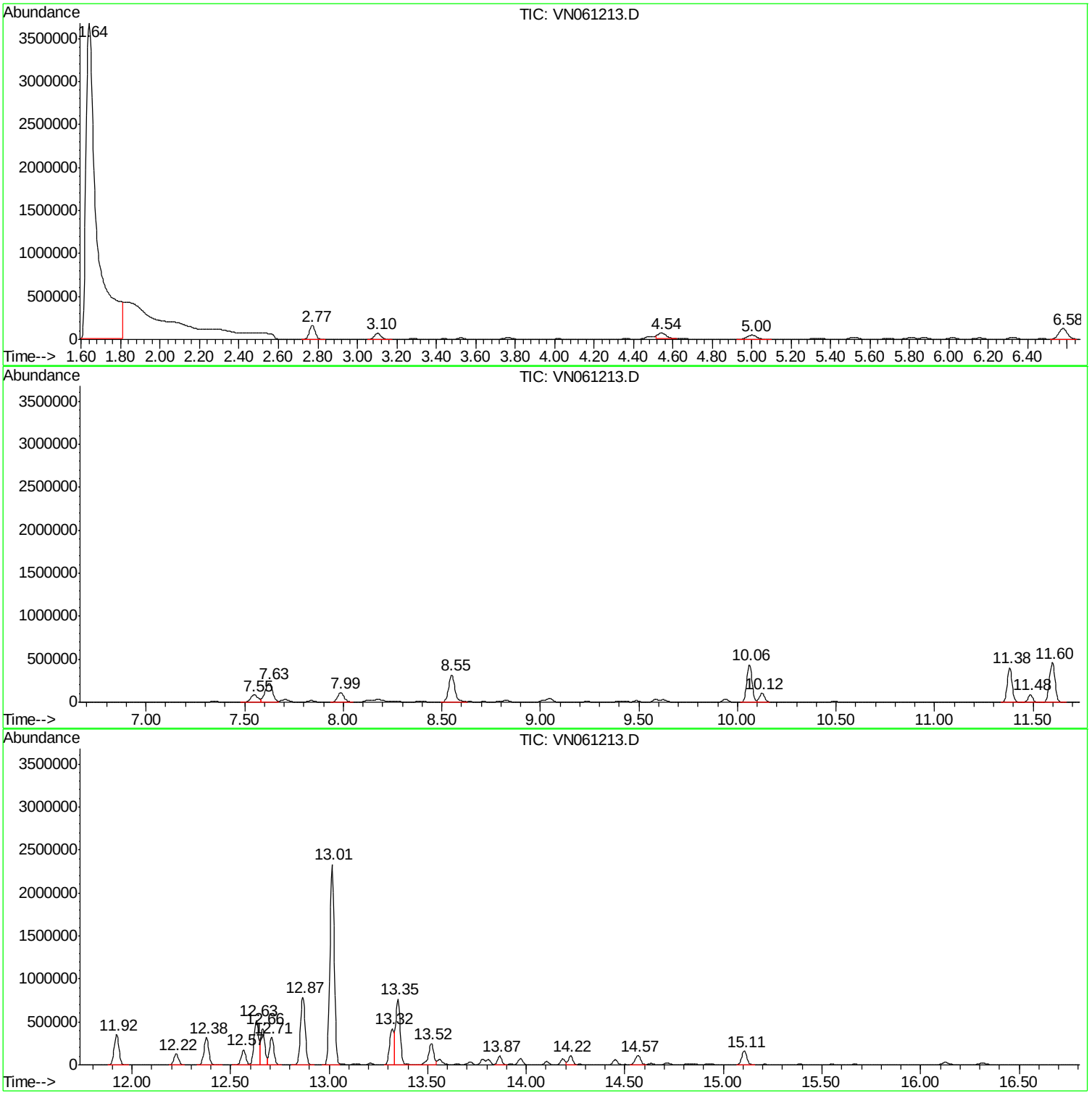
LSC Report - Integrated Chromatogram

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN043020\
Data File : VN061213.D
Acq On : 30 Apr 2020 19:47
Operator : JC/MD
Sample : L2453-05
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument : MSVOA_N
ClientSampleId : MW-5

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N042720W.M
Quant Title : SW846 8260

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



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN043020\
Data File : VN061213.D
Acq On : 30 Apr 2020 19:47
Operator : JC/MD
Sample : L2453-05
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument : MSVOA_N
ClientSampleId : MW-5

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N042720W.M
Quant Title : SW846 8260

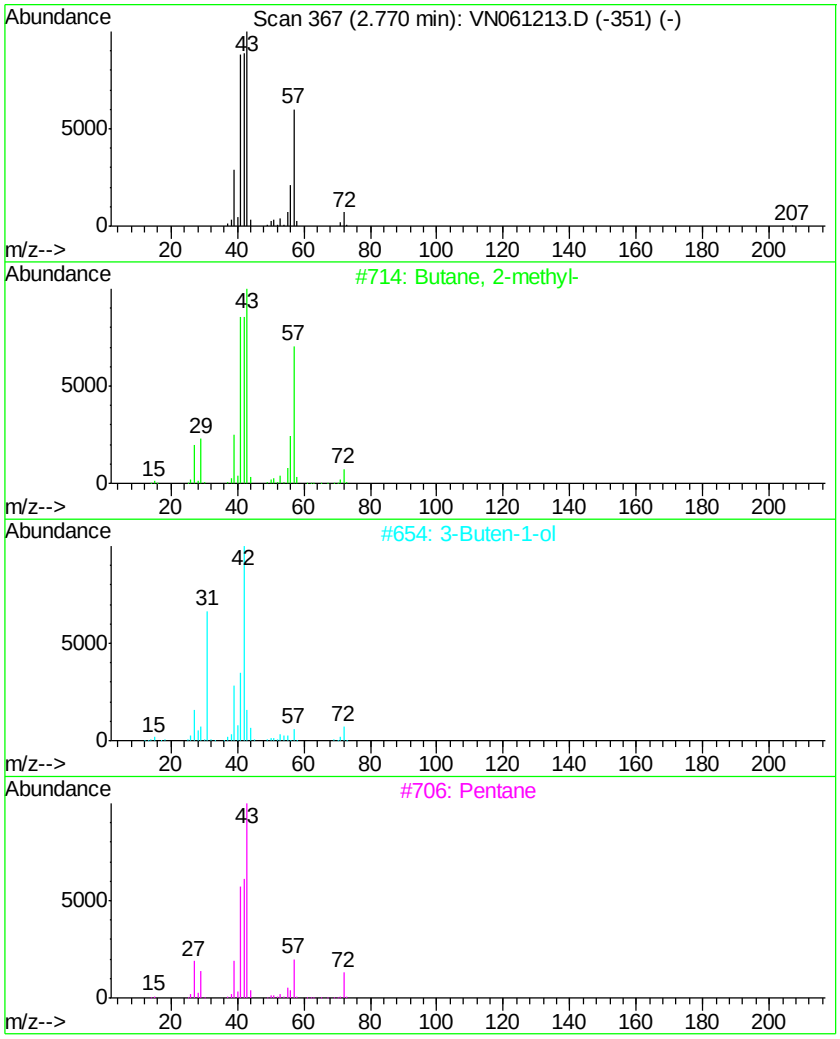
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

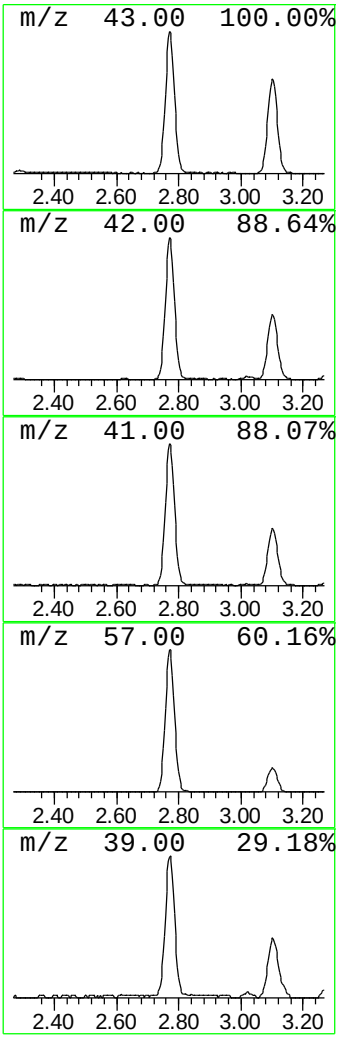
****

Peak Number 2 Butane, 2-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.77	27.87 ug/l	323376	Pentafluorobenzene	7.63

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2-methyl-	72	C5H12	000078-78-4	94
2	3-Buten-1-ol	72	C4H8O	000627-27-0	47
3	Pentane	72	C5H12	000109-66-0	36
4	1-Pentene, 4-methyl-	84	C6H12	000691-37-2	12
5	1-Butene	56	C4H8	000106-98-9	10





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN043020\
Data File : VN061213.D
Acq On : 30 Apr 2020 19:47
Operator : JC/MD
Sample : L2453-05
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument : MSVOA_N
ClientSampleId : MW-5

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N042720W.M
Quant Title : SW846 8260

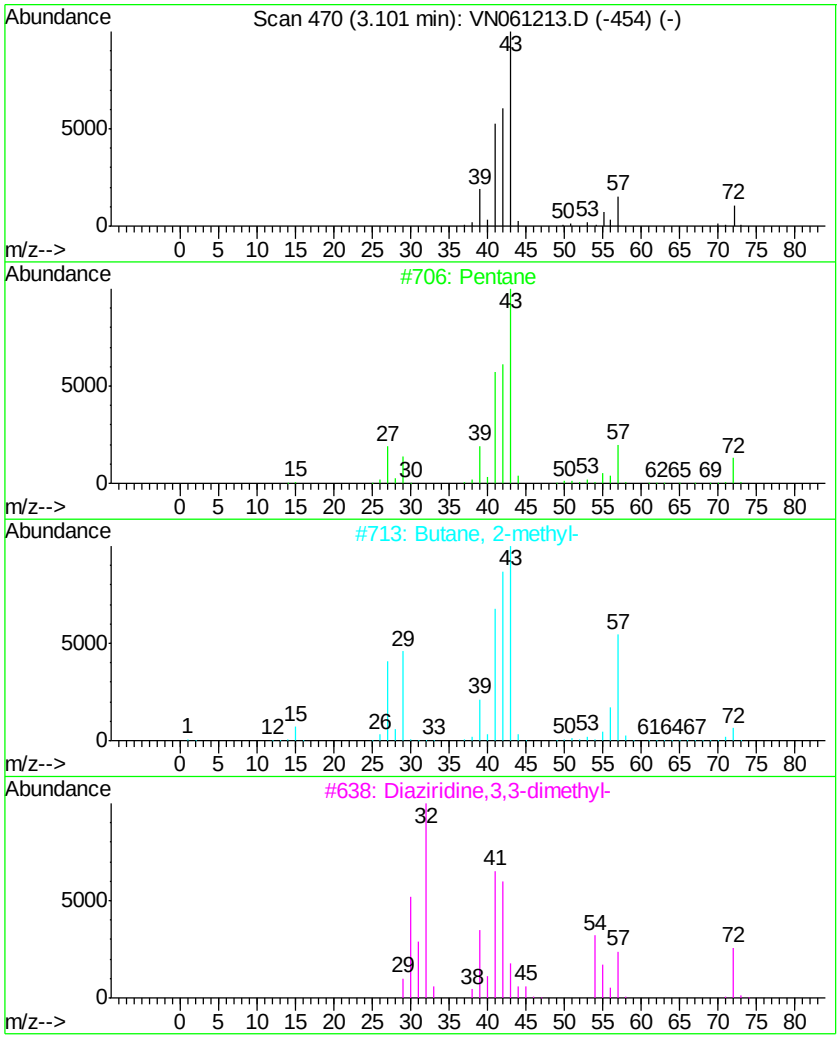
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

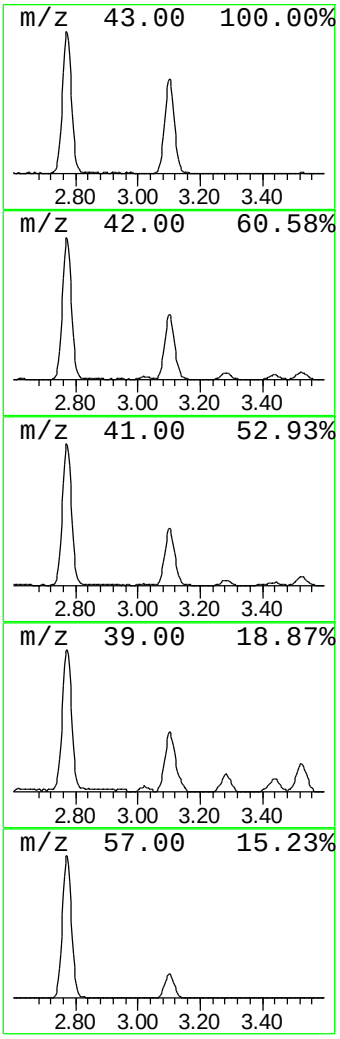
****

Peak Number 3 Pentane Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.10	14.19 ug/l	164615	Pentafluorobenzene	7.63

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane	72	C5H12	000109-66-0	91
2	Butane, 2-methyl-	72	C5H12	000078-78-4	45
3	Diaziridine,3,3-dimethyl-	72	C3H8N2	004901-76-2	38
4	Oxirane, ethyl-	72	C4H8O	000106-88-7	9
5	Butane, 2,3-dimethyl-	86	C6H14	000079-29-8	9





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN043020\
Data File : VN061213.D
Acq On : 30 Apr 2020 19:47
Operator : JC/MD
Sample : L2453-05
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument : MSVOA_N
ClientSampleId : MW-5

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N042720W.M
Quant Title : SW846 8260

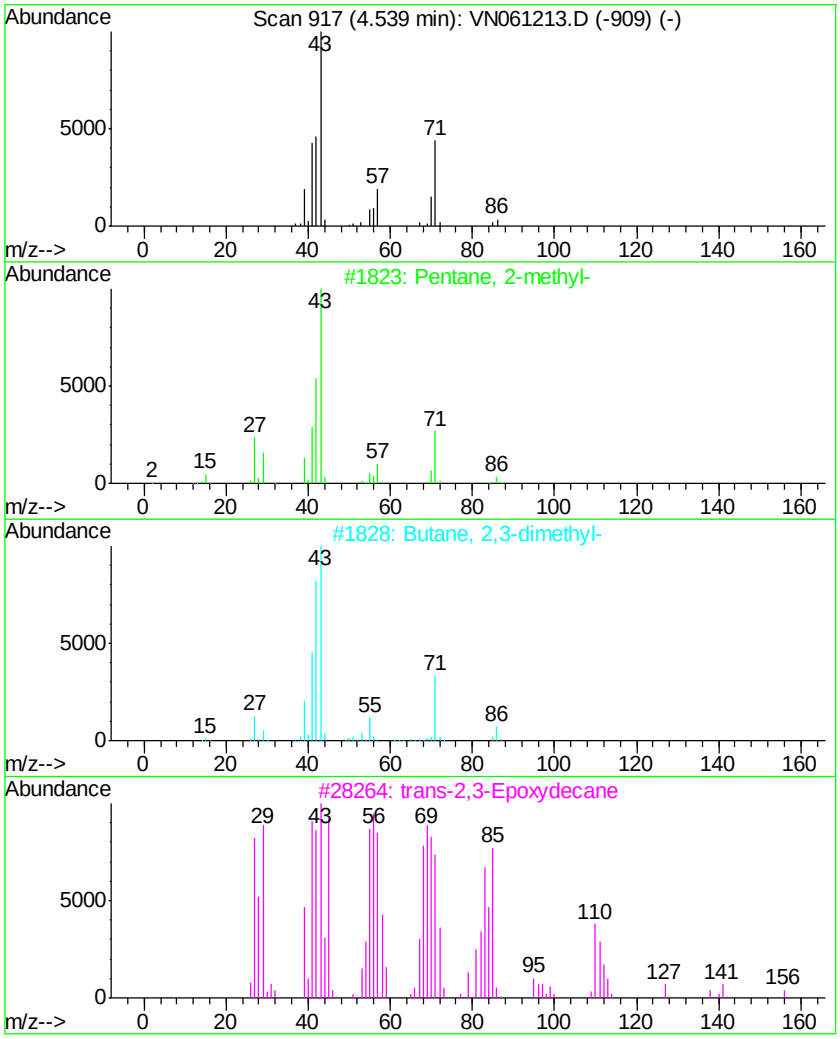
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

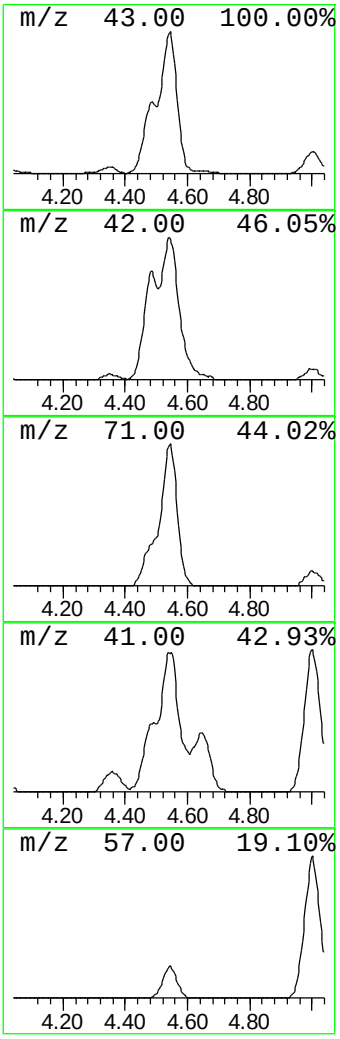
****

Peak Number 4 Pentane, 2-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.54	17.44 ug/l	202370	Pentafluorobenzene	7.63

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 2-methyl-	86	C6H14	000107-83-5	90
2	Butane, 2,3-dimethyl-	86	C6H14	000079-29-8	47
3	trans-2,3-Epoxydecane	156	C10H20O	054125-39-2	40
4	Pentane	72	C5H12	000109-66-0	32
5	Decane, 1-iodo-	268	C10H21I	002050-77-3	28





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN043020\
Data File : VN061213.D
Acq On : 30 Apr 2020 19:47
Operator : JC/MD
Sample : L2453-05
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument : MSVOA_N
ClientSampleId : MW-5

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N042720W.M
Quant Title : SW846 8260

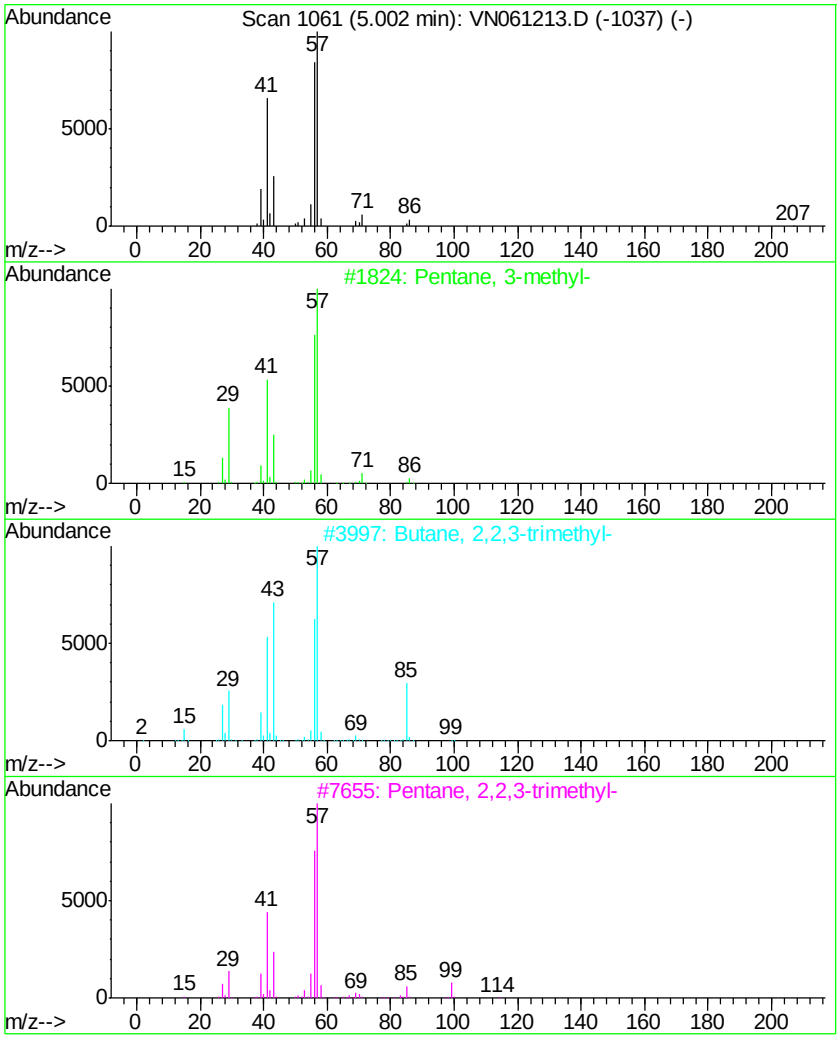
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

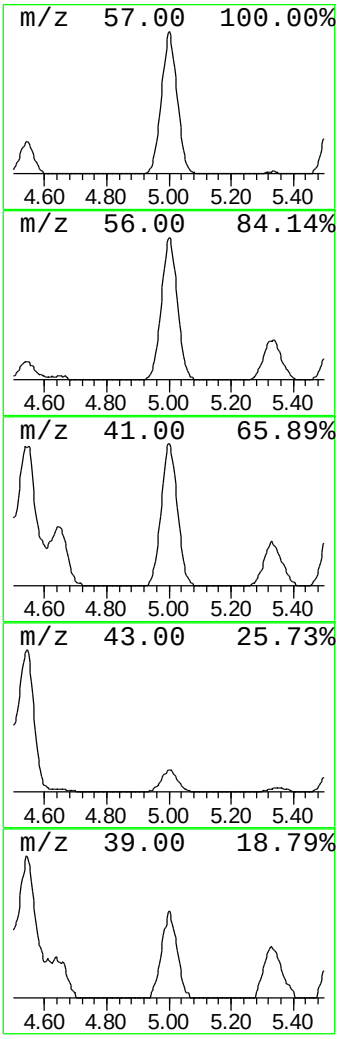
****

Peak Number 5 Pentane, 3-methyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.00	15.11 ug/l	175383	Pentafluorobenzene	7.63

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 3-methyl-	86	C6H14	000096-14-0	91
2	Butane, 2,2,3-trimethyl-	100	C7H16	000464-06-2	78
3	Pentane, 2,2,3-trimethyl-	114	C8H18	000564-02-3	56
4	Pentane, 2,2-dimethyl-	100	C7H16	000590-35-2	47
5	Oxirane, (1-methylethyl)-	86	C5H10O	001438-14-8	45





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN043020\
Data File : VN061213.D
Acq On : 30 Apr 2020 19:47
Operator : JC/MD
Sample : L2453-05
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument : MSVOA_N
ClientSampleId : MW-5

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N042720W.M
Quant Title : SW846 8260

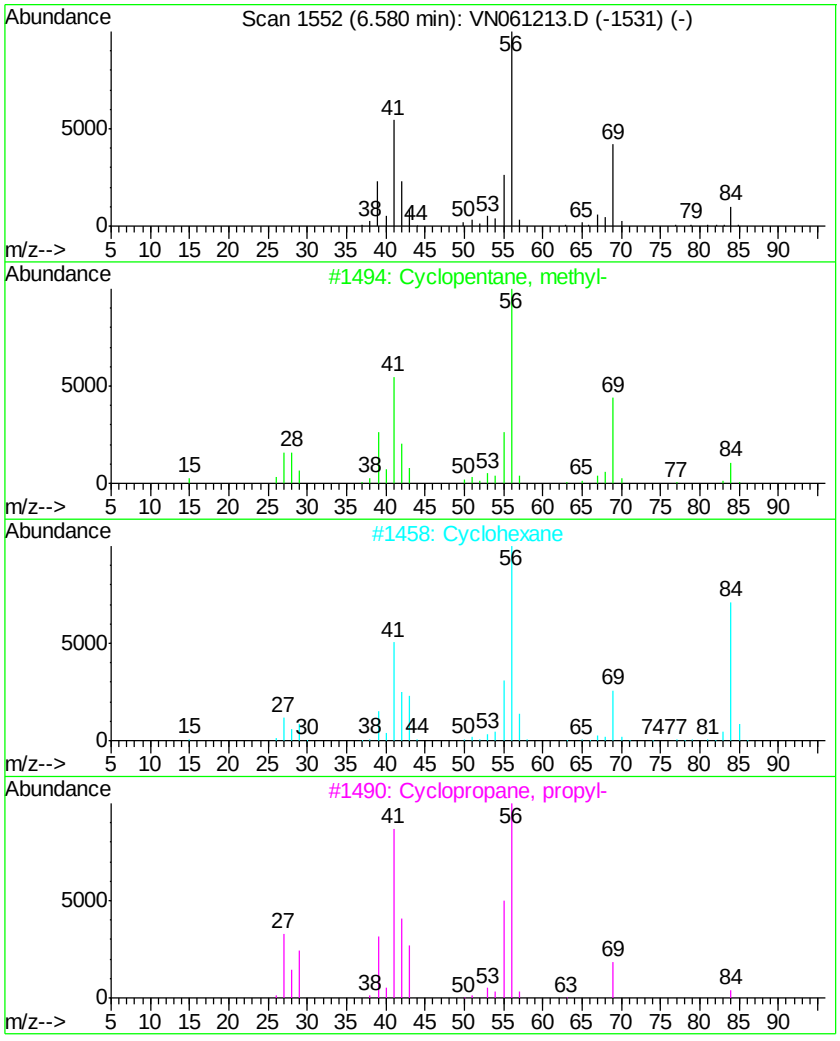
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

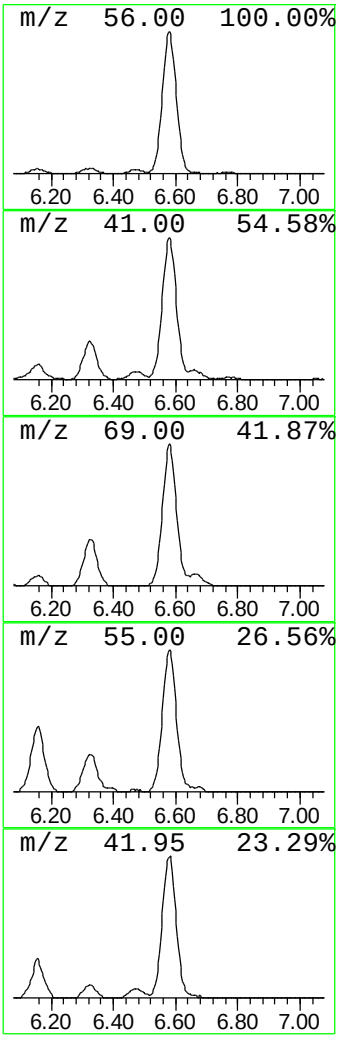
****

Peak Number 6 Cyclopentane, methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.58	33.30 ug/l	386430	Pentafluorobenzene	7.63

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	Cyclopropane, propyl-	84	C6H12	002415-72-7	64
4	Cyclobutane, ethyl-	84	C6H12	004806-61-5	64
5	1H-Tetrazole, 5-methyl-	84	C2H4N4	004076-36-2	56





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN043020\
Data File : VN061213.D
Acq On : 30 Apr 2020 19:47
Operator : JC/MD
Sample : L2453-05
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument : MSVOA_N
ClientSampleId : MW-5

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N042720W.M
Quant Title : SW846 8260

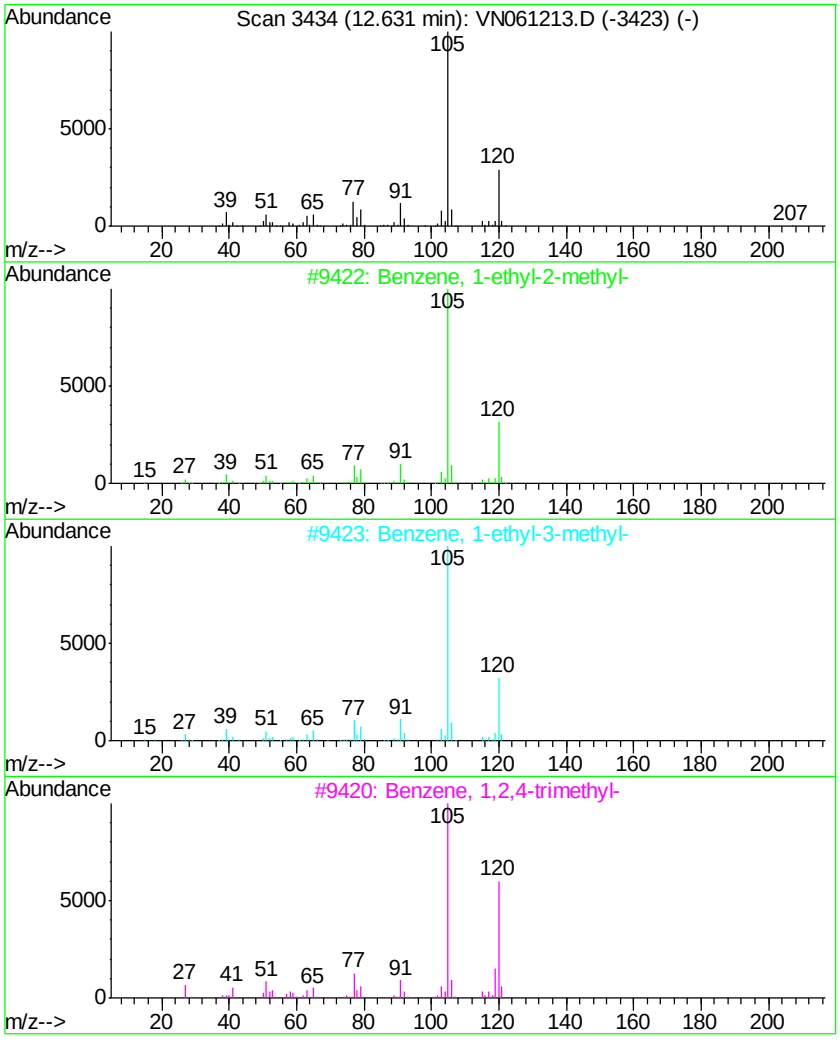
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

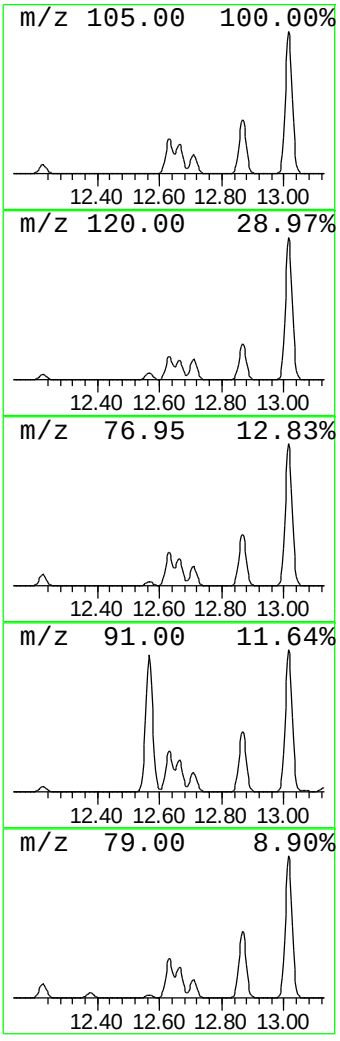
****

Peak Number 7 Benzene, 1-ethyl-2-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.63	66.44 ug/l	836528	1,4-Dichlorobenzene-d4	13.32

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, 1,2,4-trimethyl-	120	C9H12	000095-63-6	91
4	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	91
5	Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	91





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN043020\
Data File : VN061213.D
Acq On : 30 Apr 2020 19:47
Operator : JC/MD
Sample : L2453-05
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument : MSVOA_N
ClientSampleId : MW-5

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N042720W.M
Quant Title : SW846 8260

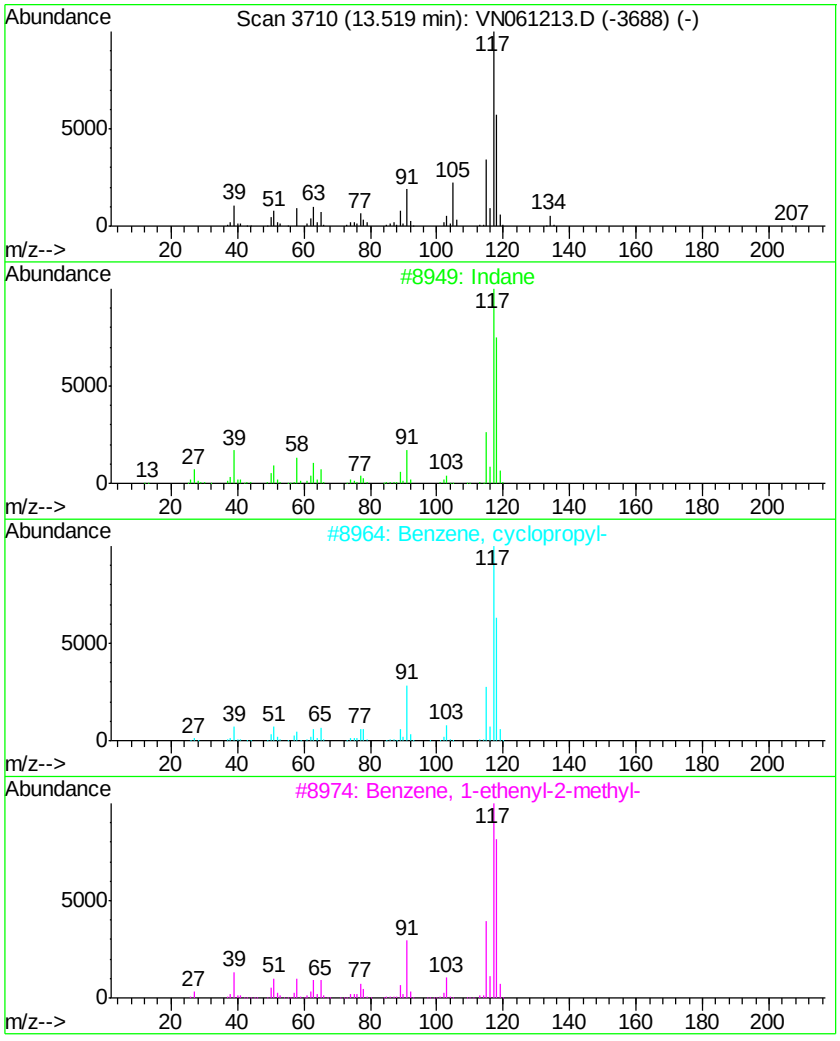
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

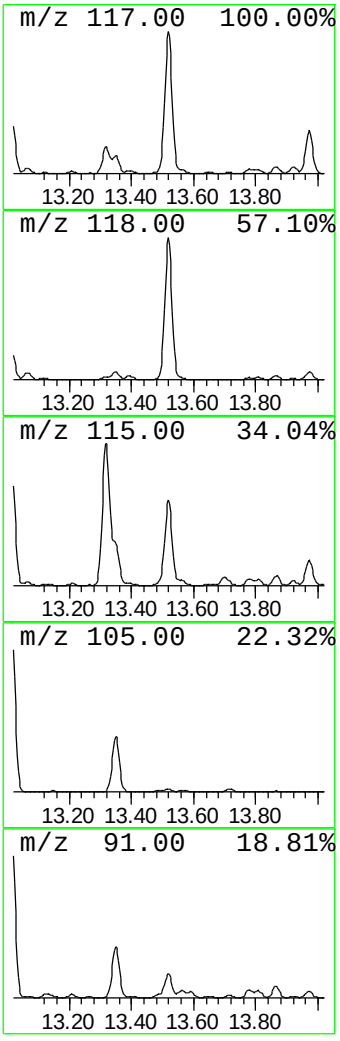
****

Peak Number 9 Indane Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.52	36.38 ug/l	458017	1,4-Dichlorobenzene-d4	13.32

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indane	118	C9H10	000496-11-7	93
2	Benzene, cyclopropyl-	118	C9H10	000873-49-4	93
3	Benzene, 1-ethenyl-2-methyl-	118	C9H10	000611-15-4	87
4	Benzene, 2-propenyl-	118	C9H10	000300-57-2	76
5	Benzene, 1-propenyl-	118	C9H10	000637-50-3	76





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN043020\
Data File : VN061213.D
Acq On : 30 Apr 2020 19:47
Operator : JC/MD
Sample : L2453-05
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument : MSVOA_N
ClientSampleId : MW-5

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N042720W.M
Quant Title : SW846 8260

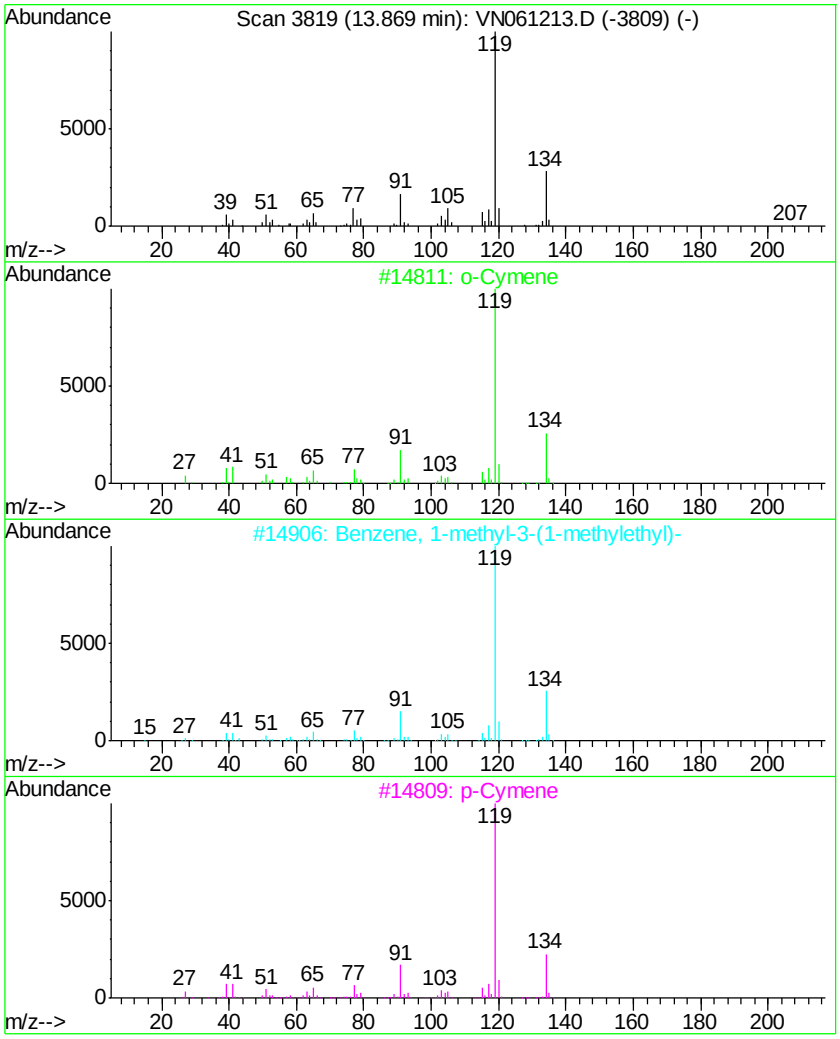
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

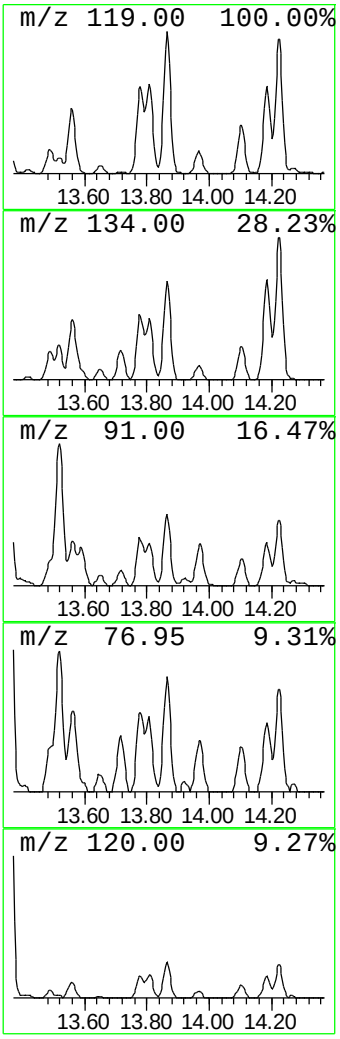
****

Peak Number 10 o-Cymene Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.87	12.23 ug/l	153952	1,4-Dichlorobenzene-d4	13.32

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	o-Cymene	134	C10H14	000527-84-4	97
2	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	95
3	p-Cymene	134	C10H14	000099-87-6	95
4	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	95
5	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	95





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Data File : VN061213.D
Acq On : 30 Apr 2020 19:47
Operator : JC/MD
Sample : L2453-05
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument : MSVOA_N
ClientSampleId : MW-5

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N042720W.M
Quant Title : SW846 8260

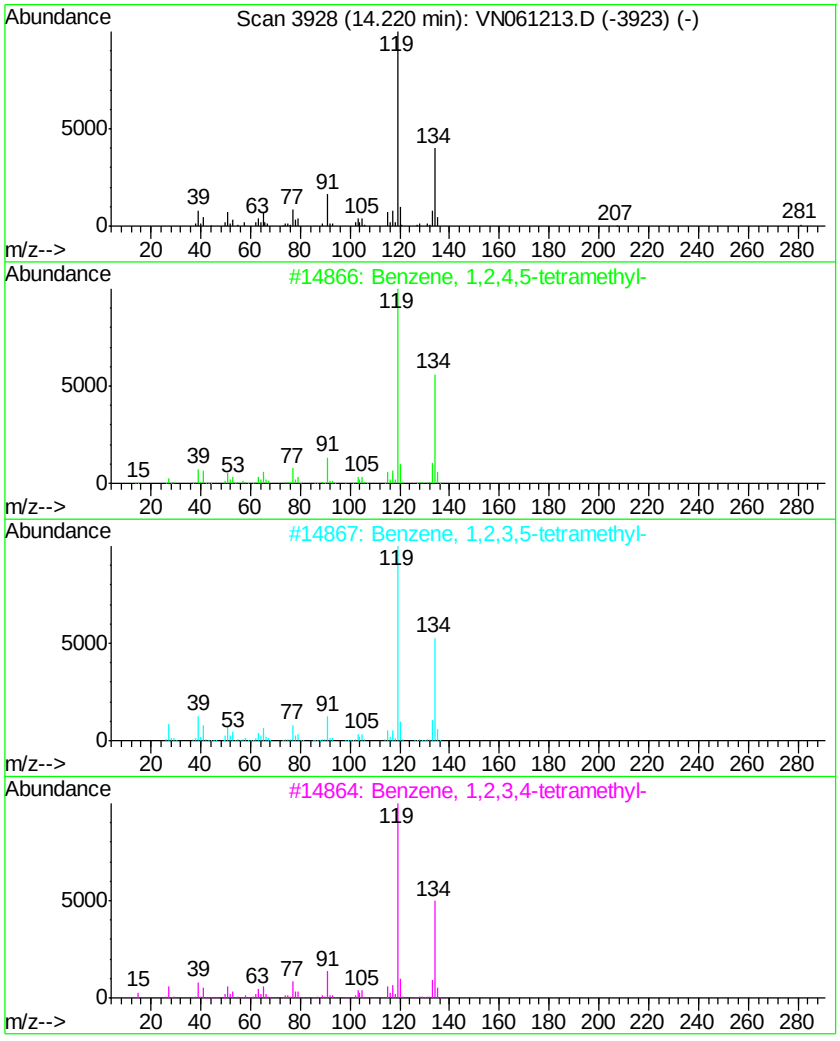
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

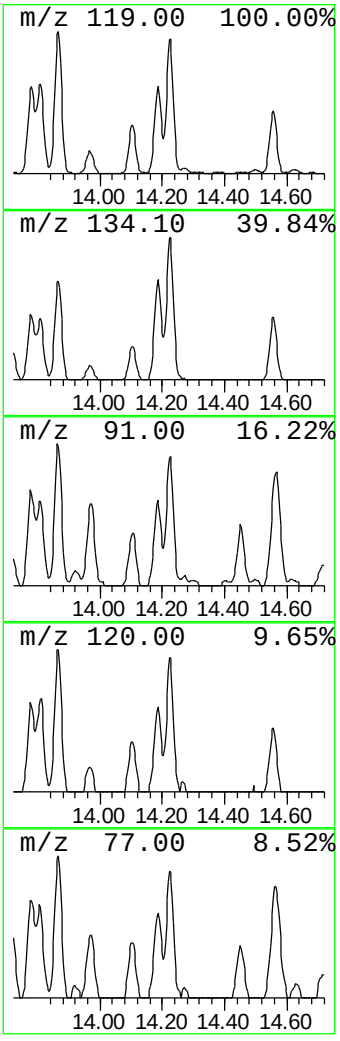
****

Peak Number 11 Benzene, 1,2,4,5-tetramethyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.22	11.90 ug/l	149863	1,4-Dichlorobenzene-d4	13.32

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	95
2	Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	95
3	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	95
4	Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	93
5	o-Cymene	134	C10H14	000527-84-4	93





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN043020\
Data File : VN061213.D
Acq On : 30 Apr 2020 19:47
Operator : JC/MD
Sample : L2453-05
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument : MSVOA_N
ClientSampleId : MW-5

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N042720W.M
Quant Title : SW846 8260

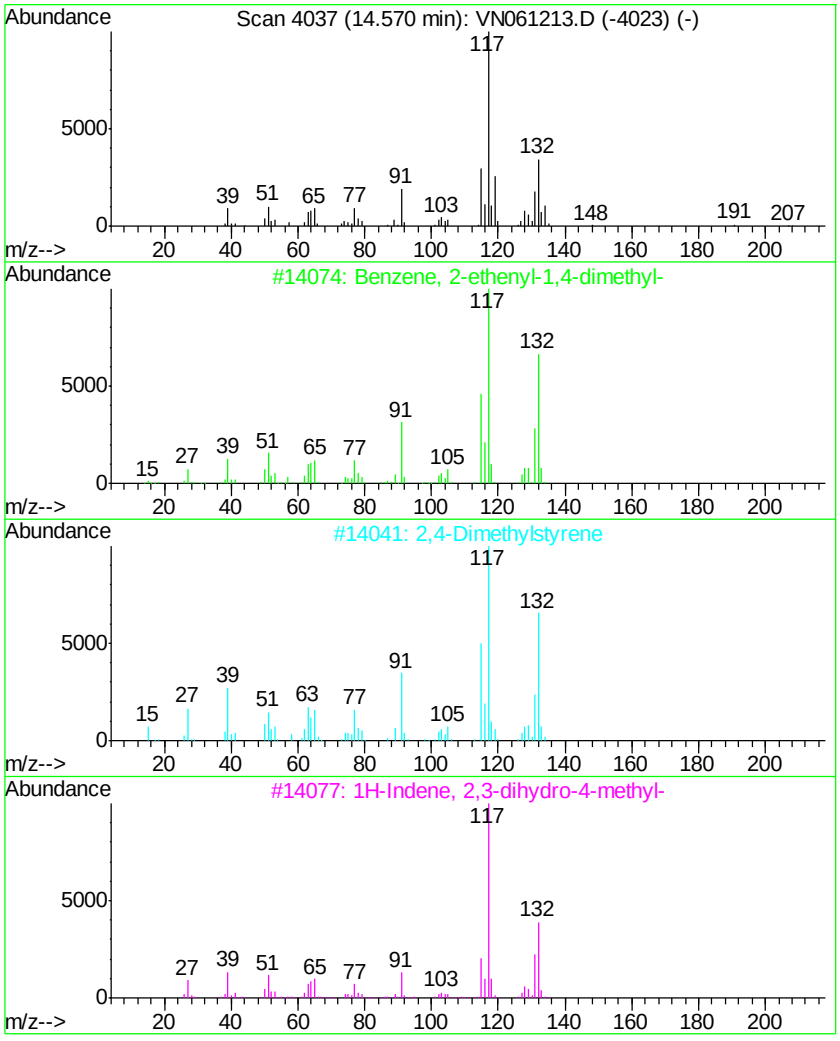
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

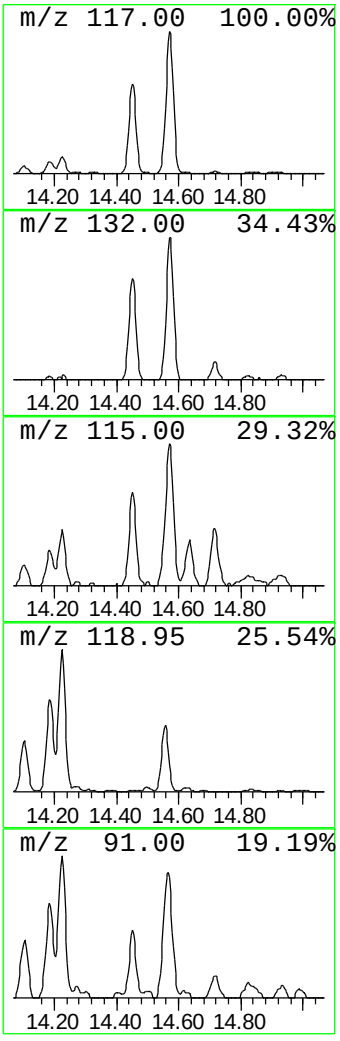
****

Peak Number 12 Benzene, 2-ethenyl-1,4-dime... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.57	16.76 ug/l	211028	1,4-Dichlorobenzene-d4	13.32

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 2-ethenyl-1,4-dimethyl-	132	C10H12	002039-89-6	95
2	2,4-Dimethylstyrene	132	C10H12	002234-20-0	91
3	1H-Indene, 2,3-dihydro-4-methyl-	132	C10H12	000824-22-6	70
4	Benzene, 1-ethenyl-4-ethyl-	132	C10H12	003454-07-7	70
5	Benzene, 2-ethenyl-1,3-dimethyl-	132	C10H12	002039-90-9	68





Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN043020\
Data File : VN061213.D
Acq On : 30 Apr 2020 19:47
Operator : JC/MD
Sample : L2453-05
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument : MSVOA_N
ClientSampleId : MW-5

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N042720W.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
Butane, 2-methyl-	2.77	27.9	ug/l	323376	1	7.63	580191	50.0
Pentane	3.10	14.2	ug/l	164615	1	7.63	580191	50.0
Pentane, 2-methyl-	4.54	17.4	ug/l	202370	1	7.63	580191	50.0
Pentane, 3-methyl-	5.00	15.1	ug/l	175383	1	7.63	580191	50.0
Cyclopentane, met...	6.58	33.3	ug/l	386430	1	7.63	580191	50.0
Benzene, 1-ethyl-...	12.63	66.4	ug/l	836528	4	13.32	629520	50.0
Indane	13.52	36.4	ug/l	458017	4	13.32	629520	50.0
o-Cymene	13.87	12.2	ug/l	153952	4	13.32	629520	50.0
Benzene, 1,2,4,5-...	14.22	11.9	ug/l	149863	4	13.32	629520	50.0
Benzene, 2-etheny...	14.57	16.8	ug/l	211028	4	13.32	629520	50.0