LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX080818\
Data File : VX003932.D
Acq On : 08 Aug 2018 19:05
Operator : JC/MD
Sample : J4387-02
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : FL-0549

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\82X080618W.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	1.069	69	79	94	rBV	1192744	1645448	22.26%	2.679%
2	1.788	192	197	211	rVB	398025	551100	7.45%	0.897%
3	1.995	226	231	241	rVB	336433	480945	6.51%	0.783%
4	2.392	289	296	303	rBV	123725	243237	3.29%	0.396%
5	2.843	362	370	373	rBV	156211	345448	4.67%	0.562%
6	2.886	373	377	382	rVB	220550	395670	5.35%	0.644%
7	3.166	414	423	437	rVB	450308	1016357	13.75%	1.655%
8	3.520	472	481	494	rBV	127828	295754	4.00%	0.482%
9	4.397	614	625	639	rVV	1151417	3343076	45.22%	5.443%
10	5.233	748	762	770	rBV2	27157	104724	1.42%	0.171%
11	5.507	793	807	810	rBV	206242	539803	7.30%	0.879%
12	5.574	810	818	827	rVV	1021365	3191323	43.17%	5.196%
13	5.666	827	833	863	rVV	305607	1079005	14.60%	1.757%
14	5.940	864	878	890	rVV5	123804	441721	5.97%	0.719%
15	6.068	890	899	913	rVV	215924	565907	7.65%	0.921%
16	6.257	916	930	939	rVV3	132919	413848	5.60%	0.674%
17	6.354	939	946	954	rVV	130417	358270	4.85%	0.583%
18	6.452	954	962	976	rVB2	118717	337007	4.56%	0.549%
19	6.867	1020	1030	1040	rBV	444753	1057373	14.30%	1.722%
20	7.464	1115	1128	1141	rBV	803188	1855444	25.10%	3.021%
21	7.732	1165	1172	1181	rVB	63502	122670	1.66%	0.200%
22	7.848	1181	1191	1198	rVB2	45784	93056	1.26%	0.152%
23	8.031	1214	1221	1234	rVB3	42774	96675	1.31%	0.157%
24	8.665	1318	1325	1328	rBV2	90357	159326	2.16%	0.259%
25	8.720	1328	1334	1343	rVB	1107569	1802798	24.39%	2.935%
26	8.842	1348	1354	1358	rBV	76343	128003	1.73%	0.208%
27	9.043	1381	1387	1394	rVB	150909	246276	3.33%	0.401%
28	9.165	1399	1407	1413	rBV	65575	108164	1.46%	0.176%
29	9.622	1478	1482	1487	rVB	61665	85762	1.16%	0.140%
30	9.677	1487	1491	1496	rBV	57060	88137	1.19%	0.143%
31	10.116	1553	1563	1569	rBV	978975	1287765	17.42%	2.097%
32	10.189	1569	1575	1580	rVB	61662	88258	1.19%	0.144%
33	10.256	1580	1586	1595	rBV	2834302	3616276	48.92%	5.888%
34	10.360	1595	1603	1610	rBV	5592094	7392962	100.00%	12.037%

LSC Area Percent Report

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Data File : VX003932.D
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Operator : JC/MD
Sample : J4387-02
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : FL-0549

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\82X080618W.M
Title : SW846 8260

35	10.701	1654	1659	1670	rVB	3450362	4219860	57.08%	6.870%
36	11.018	1706	1711	1725	rVB	673753	853055	11.54%	1.389%
37	11.140	1725	1731	1736	rBV	1011104	1231813	16.66%	2.006%
38	11.360	1759	1767	1774	rBV	379675	474243	6.41%	0.772%
39	11.439	1774	1780	1787	rVV	989184	1882917	25.47%	3.066%
40	11.506	1787	1791	1800	rVB	660505	806706	10.91%	1.313%
41	11.671	1812	1818	1827	rBV	1425548	1732957	23.44%	2.821%
42	11.811	1836	1841	1846	rVB	1385303	1614245	21.83%	2.628%
43	11.921	1853	1859	1861	rBV	75405	107520	1.45%	0.175%
44	11.945	1861	1863	1871	rVB	131812	165999	2.25%	0.270%
45	12.024	1871	1876	1880	rBV	148696	189963	2.57%	0.309%
46	12.079	1880	1885	1890	rVV	1187286	1524369	20.62%	2.482%
47	12.146	1890	1896	1906	rVB	2204030	2577459	34.86%	4.196%
48	12.305	1915	1922	1929	rBV2	644613	948541	12.83%	1.544%
49	12.372	1929	1933	1943	rVB4	235007	367688	4.97%	0.599%
50	12.463	1943	1948	1953	rBV	58783	76663	1.04%	0.125%
51	12.518	1953	1957	1963	rVB	166244	209231	2.83%	0.341%
52	12.591	1963	1969	1970	rBV	101630	128952	1.74%	0.210%
53	12.609	1970	1972	1976	rVV	127323	147643	2.00%	0.240%
54	12.670	1976	1982	1985	rVV	326282	376542	5.09%	0.613%
55	12.762	1992	1997	2004	rVB4	277491	514430	6.96%	0.838%
56	12.902	2016	2020	2025	rVB2	200808	283421	3.83%	0.461%
57	12.981	2025	2033	2036	rBV	233994	322516	4.36%	0.525%
58	13.024	2036	2040	2045	rVB	173634	214454	2.90%	0.349%
59	13.085	2045	2050	2058	rBV3	58766	125149	1.69%	0.204%
60	13.347	2089	2093	2099	rBV2	573606	759331	10.27%	1.236%
61	13.481	2109	2115	2121	rVB	306155	393695	5.33%	0.641%
62	13.640	2137	2141	2145	rBV3	77890	124982	1.69%	0.203%
63	13.701	2145	2151	2153	rVV4	71356	147537	2.00%	0.240%
64	13.725	2153	2155	2160	rVB2	101268	128889	1.74%	0.210%
65	13.835	2165	2173	2181	rVB	1550010	1959687	26.51%	3.191%
66	13.914	2181	2186	2190	rVB	120803	149534	2.02%	0.243%
67	13.987	2190	2198	2202	rBV2	119253	176529	2.39%	0.287%
68	14.292	2239	2248	2254	rBV	161345	273441	3.70%	0.445%
69	14.542	2284	2289	2297	rBV2	110888	164636	2.23%	0.268%
70	14.701	2308	2315	2319	rBV	794578	1036616	14.02%	1.688%
71	14.841	2333	2338	2343	rBV	756691	935257	12.65%	1.523%

LSC Area Percent Report

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Operator : JC/MD
Sample : J4387-02
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : FL-0549

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\82X080618W.M
Title : SW846 8260

72	15.274	2400	2409	2414	rBV2	82041	142551	1.93%	0.232%
73	15.554	2448	2455	2460	rBV	62979	103037	1.39%	0.168%
74	15.694	2470	2478	2481	rBV	87773	154301	2.09%	0.251%
75	15.731	2481	2484	2490	rVB	66745	97041	1.31%	0.158%

Sum of corrected areas: 61420988

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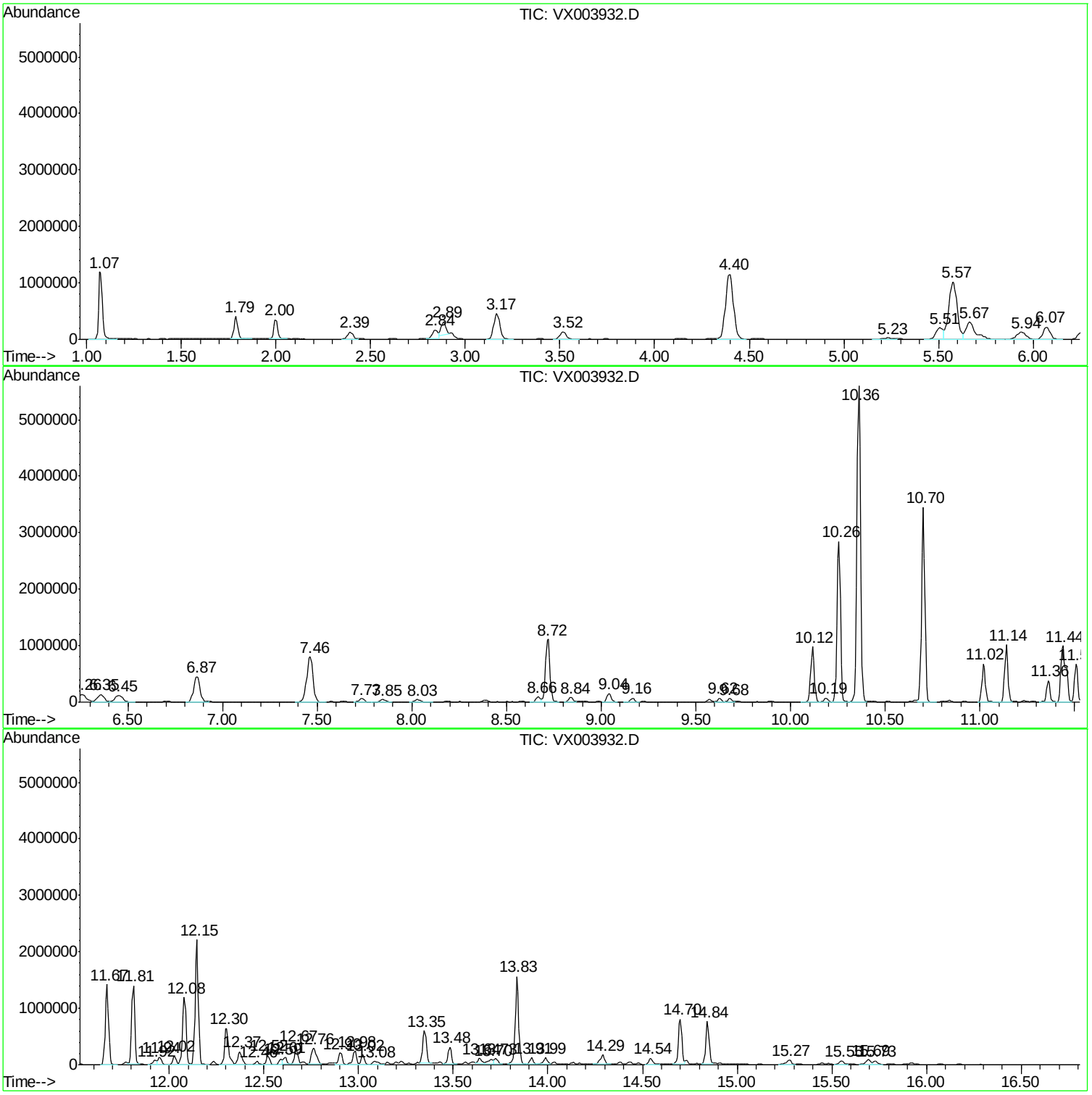
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : FL-0549

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X080618W.M
Quant Title : SW846 8260

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



Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX080818\
Data File : VX003932.D
Acq On : 08 Aug 2018 19:05
Operator : JC/MD
Sample : J4387-02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : FL-0549

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X080618W.M
Quant Title : SW846 8260

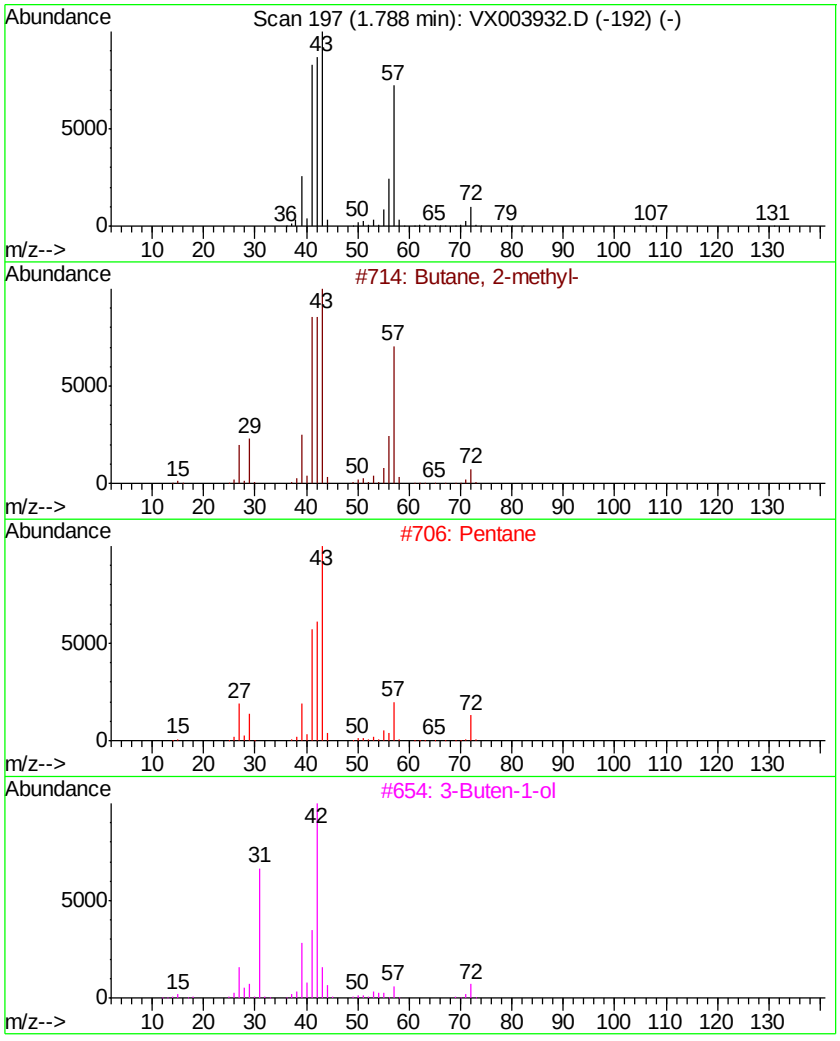
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

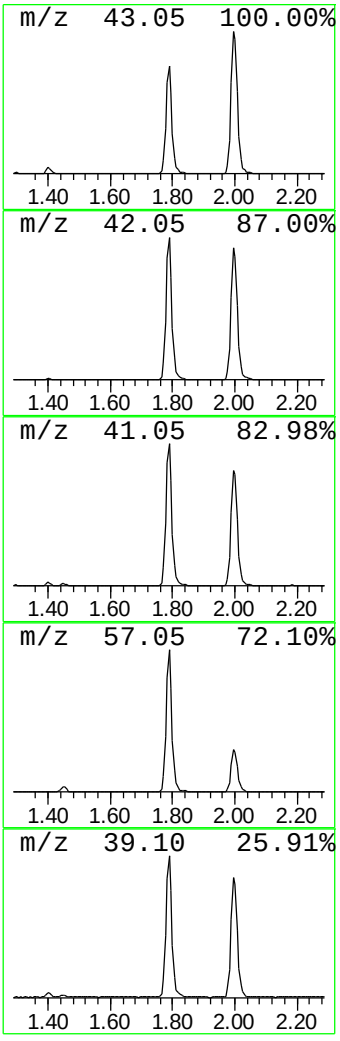
****

Peak Number 2 Butane, 2-methyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.79	25.54 ug/l	551100	Pentafluorobenzene	5.67

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2-methyl-	72	C5H12	000078-78-4	94
2	Pentane	72	C5H12	000109-66-0	47
3	3-Buten-1-ol	72	C4H8O	000627-27-0	25
4	1-Butanesulfonyl chloride	156	C4H9ClO2S	002386-60-9	10
5	1-Propene, 2-methyl-	56	C4H8	000115-11-7	9





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX080818\
Data File : VX003932.D
Acq On : 08 Aug 2018 19:05
Operator : JC/MD
Sample : J4387-02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : FL-0549

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X080618W.M
Quant Title : SW846 8260

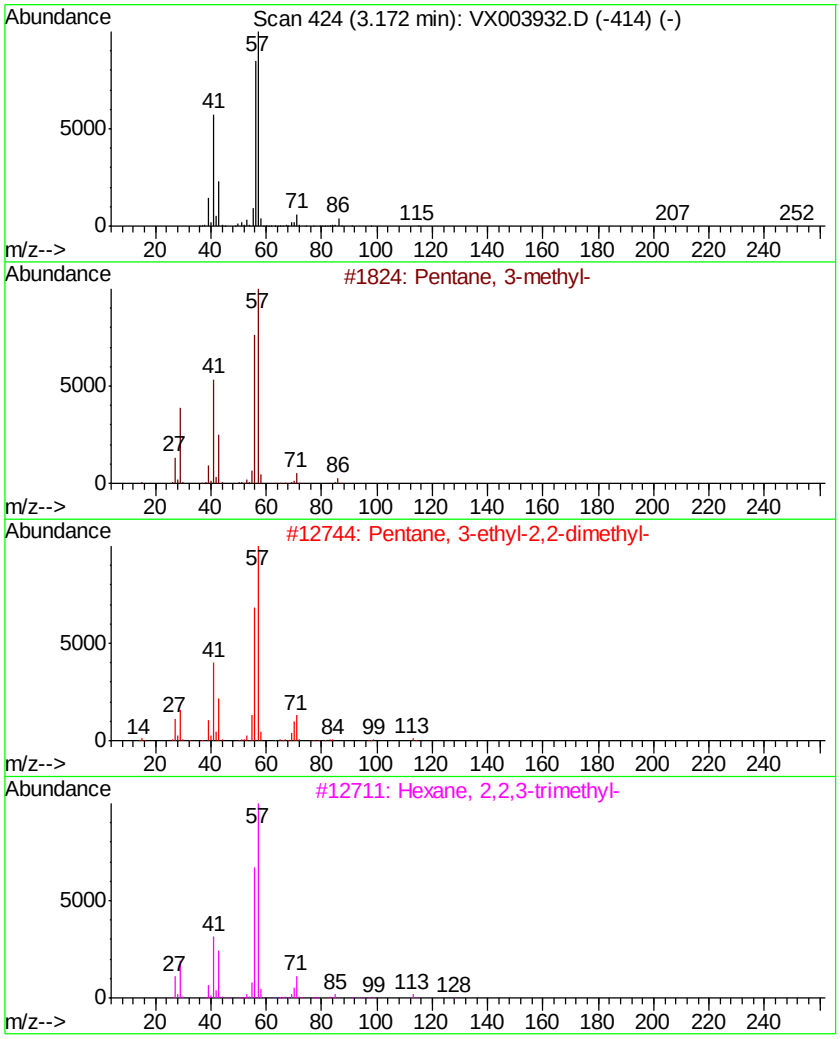
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

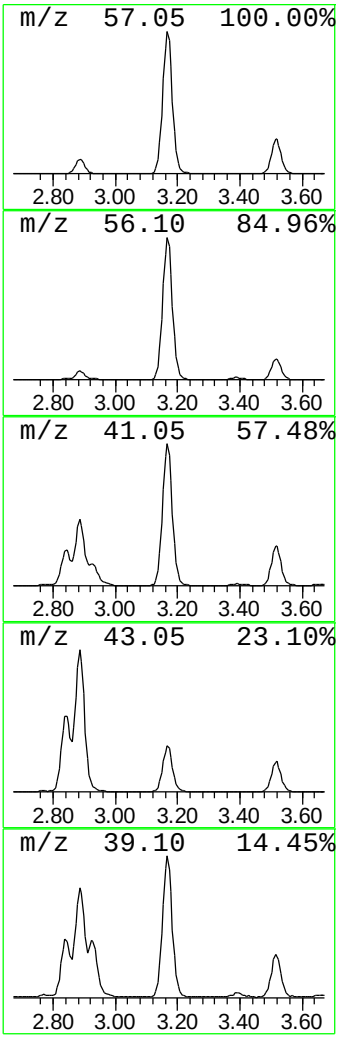
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.17	47.10 ug/l	1016360	Pentafluorobenzene	5.67

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 3-methyl-	86	C6H14	000096-14-0	91
2	Pentane, 3-ethyl-2,2-dimethyl-	128	C9H20	016747-32-3	78
3	Hexane, 2,2,3-trimethyl-	128	C9H20	016747-25-4	78
4	Pentane, 2,2,3-trimethyl-	114	C8H18	000564-02-3	50
5	Oxirane, (1-methylethyl)-	86	C5H10O	001438-14-8	45





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX080818\
Data File : VX003932.D
Acq On : 08 Aug 2018 19:05
Operator : JC/MD
Sample : J4387-02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : FL-0549

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X080618W.M
Quant Title : SW846 8260

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

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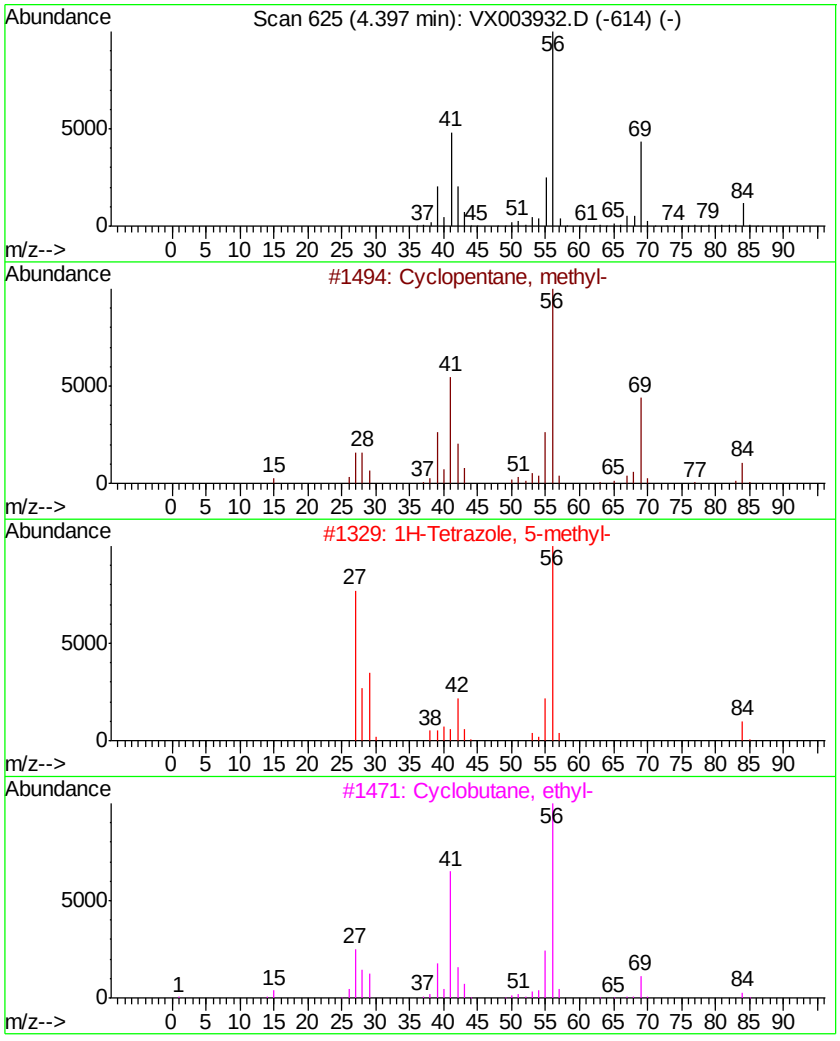
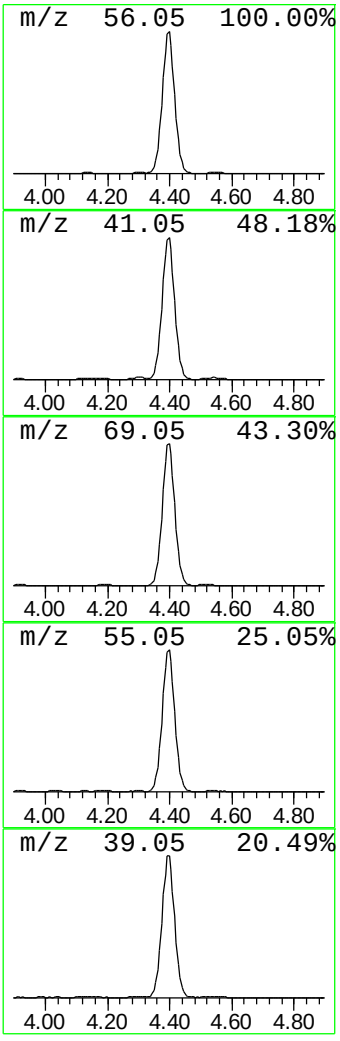
Peak Number 4 Cyclopentane, methyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.40	154.92 ug/l	3343080	Pentafluorobenzene	5.67

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, methyl-	84	C6H12	000096-37-7	94
2	1H-Tetrazole, 5-methyl-	84	C2H4N4	004076-36-2	72
3	Cyclobutane, ethyl-	84	C6H12	004806-61-5	64
4	Cyclohexane	84	C6H12	000110-82-7	56
5	Cyclobutane, butyl-	112	C8H16	013152-44-8	50





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX080818\
Data File : VX003932.D
Acq On : 08 Aug 2018 19:05
Operator : JC/MD
Sample : J4387-02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : FL-0549

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X080618W.M
Quant Title : SW846 8260

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

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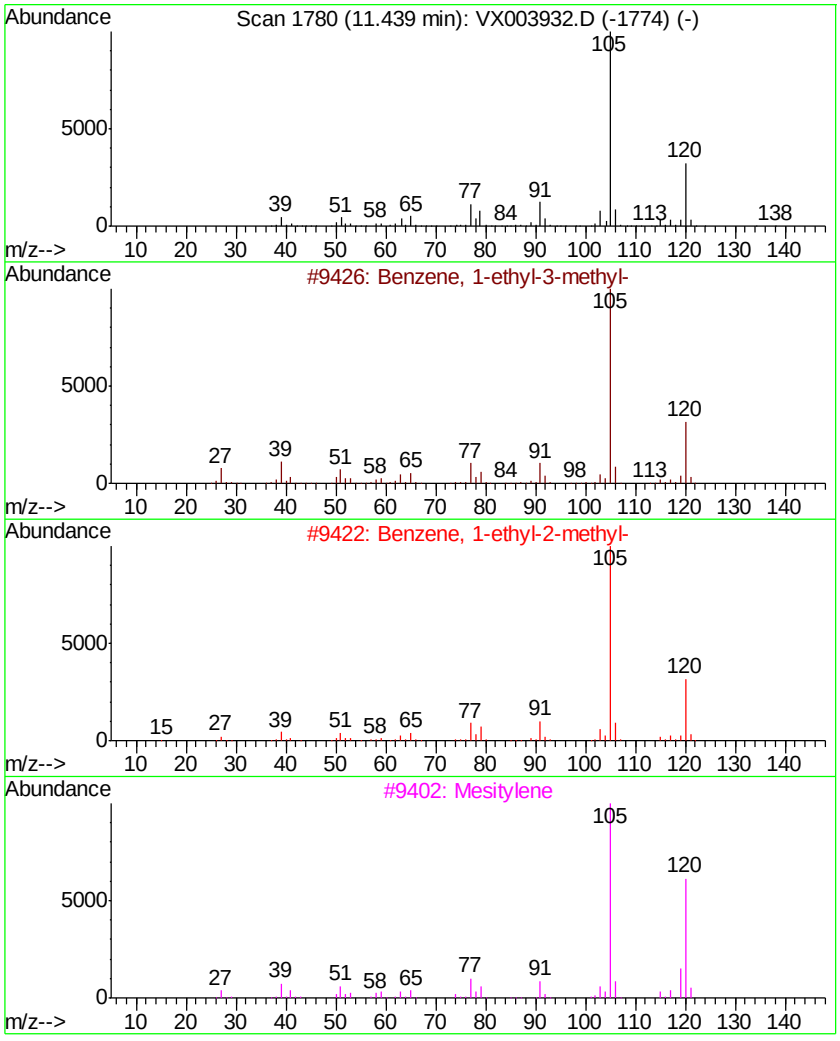
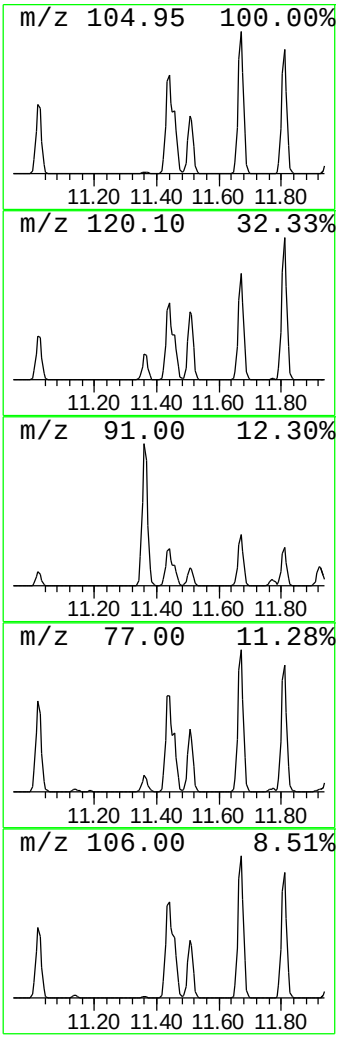
Peak Number 5 Benzene, 1-ethyl-3-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.44	61.76 ug/l	1882920	1,4-Dichlorobenzene-d4	12.08

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	95
2	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	95
3	Mesitylene	120	C9H12	000108-67-8	91
4	Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	91
5	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	91





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX080818\
Data File : VX003932.D
Acq On : 08 Aug 2018 19:05
Operator : JC/MD
Sample : J4387-02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : FL-0549

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X080618W.M
Quant Title : SW846 8260

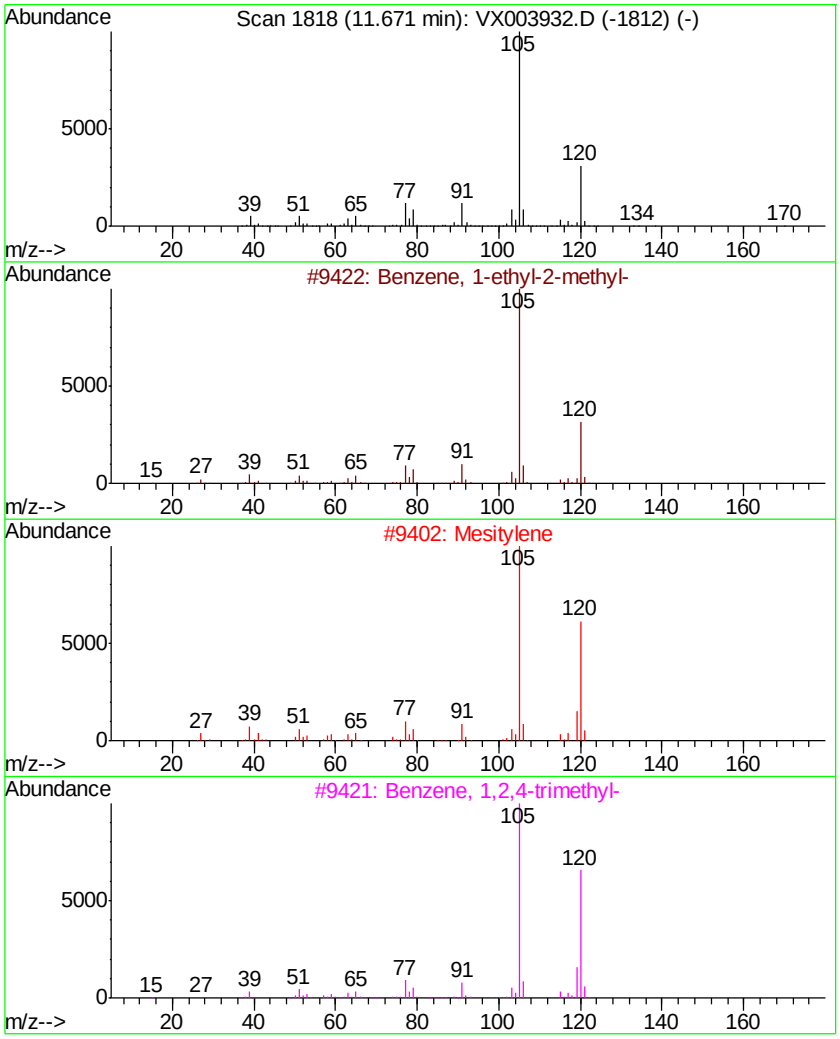
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

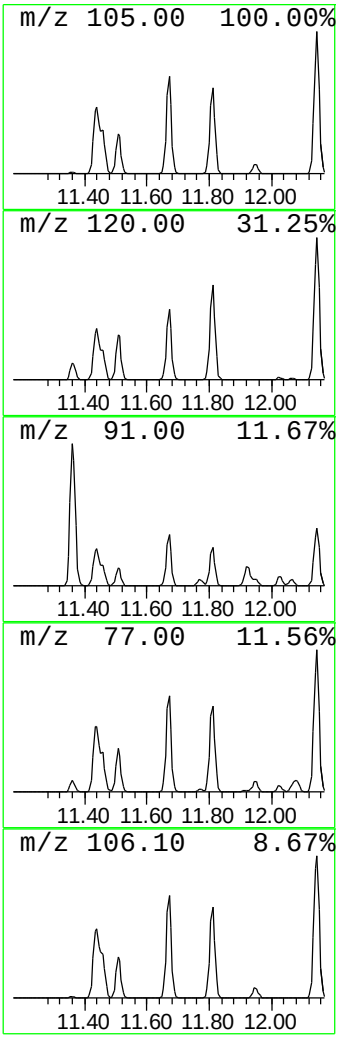
****

Peak Number 6 Benzene, 1-ethyl-2-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.67	56.84 ug/l	1732960	1,4-Dichlorobenzene-d4	12.08

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





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Data File : VX003932.D
Acq On : 08 Aug 2018 19:05
Operator : JC/MD
Sample : J4387-02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : FL-0549

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X080618W.M
Quant Title : SW846 8260

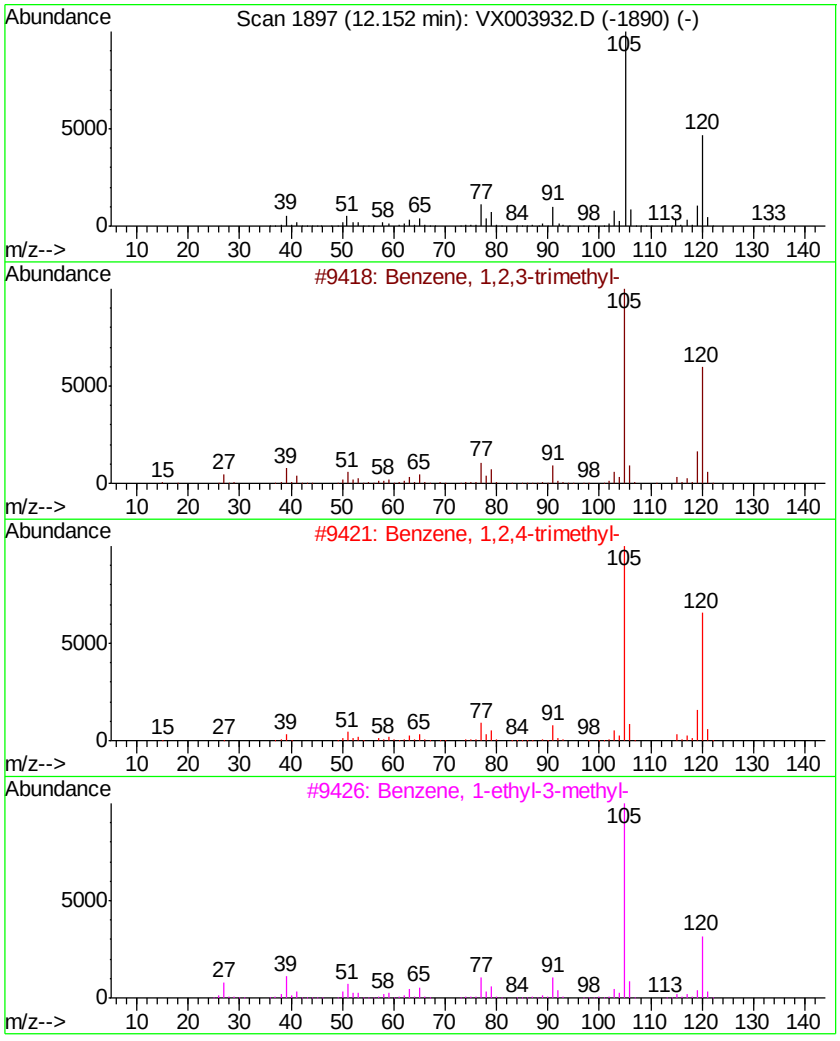
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

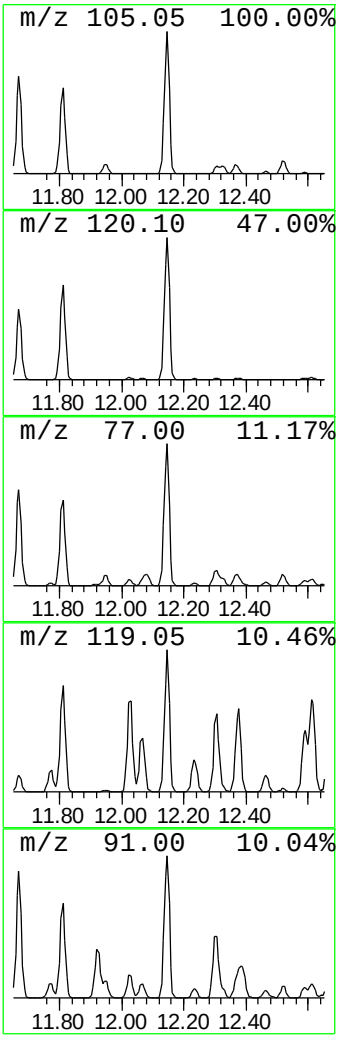
****

Peak Number 7 Benzene, 1,2,3-trimethyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.15	84.54 ug/l	2577460	1,4-Dichlorobenzene-d4	12.08

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	95
2	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	91
3	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	90
4	Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	87
5	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	83





Library Search Compound Report

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Data File : VX003932.D
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Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : FL-0549

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X080618W.M
Quant Title : SW846 8260

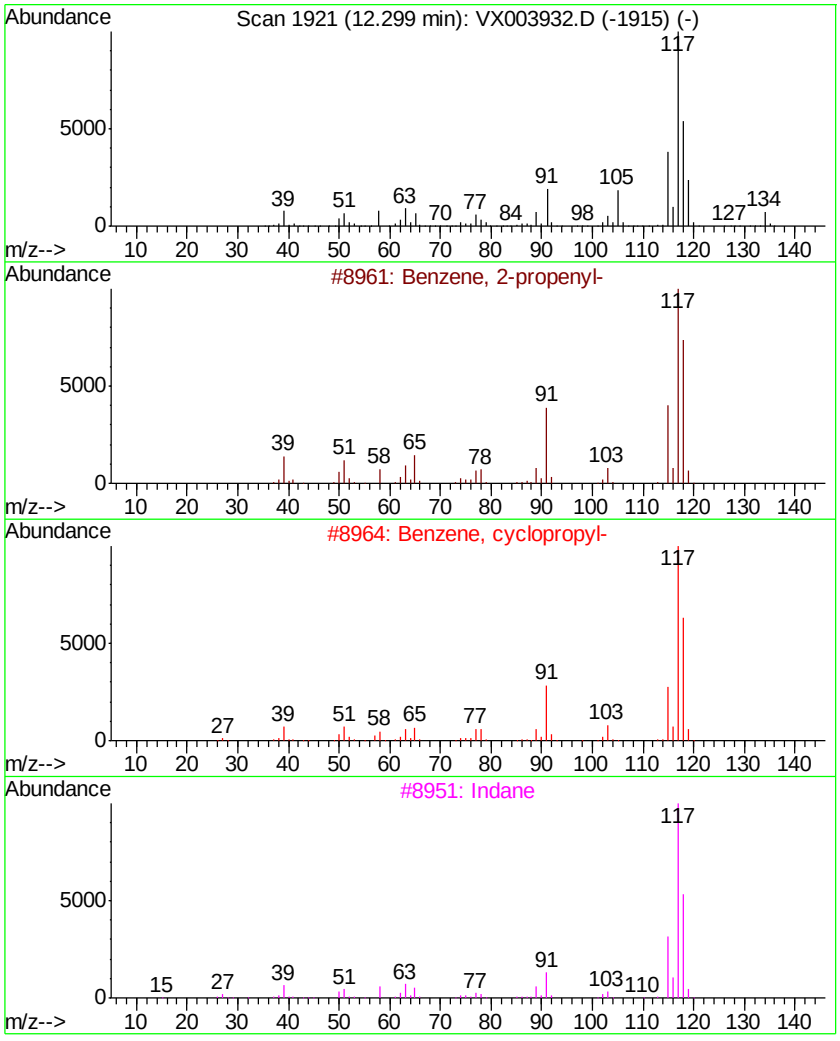
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

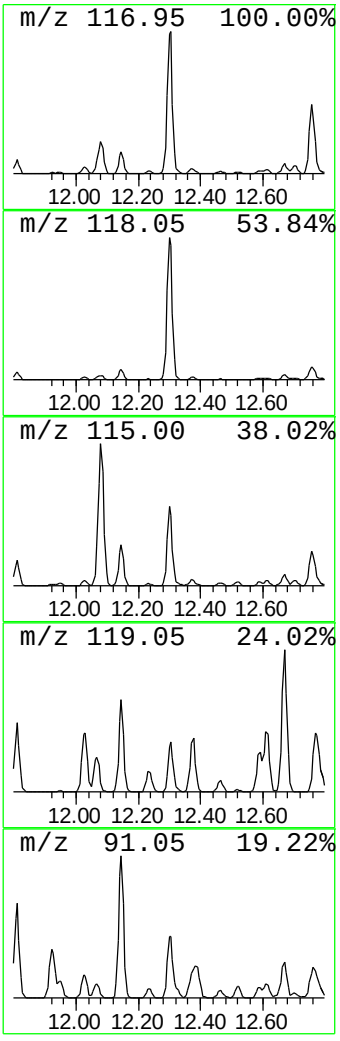
****

Peak Number 8 Benzene, 2-propenyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.30	31.11 ug/l	948541	1,4-Dichlorobenzene-d4	12.08

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 2-propenyl-	118	C9H10	000300-57-2	70
2	Benzene, cyclopropyl-	118	C9H10	000873-49-4	70
3	Indane	118	C9H10	000496-11-7	64
4	Benzene, 1-propenyl-	118	C9H10	000637-50-3	62
5	Tetracyclo[3.3.1.0(2,8).0(4,6)]-...	118	C9H10	1000191-13-7	52





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX080818\
Data File : VX003932.D
Acq On : 08 Aug 2018 19:05
Operator : JC/MD
Sample : J4387-02
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : FL-0549

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X080618W.M
Quant Title : SW846 8260

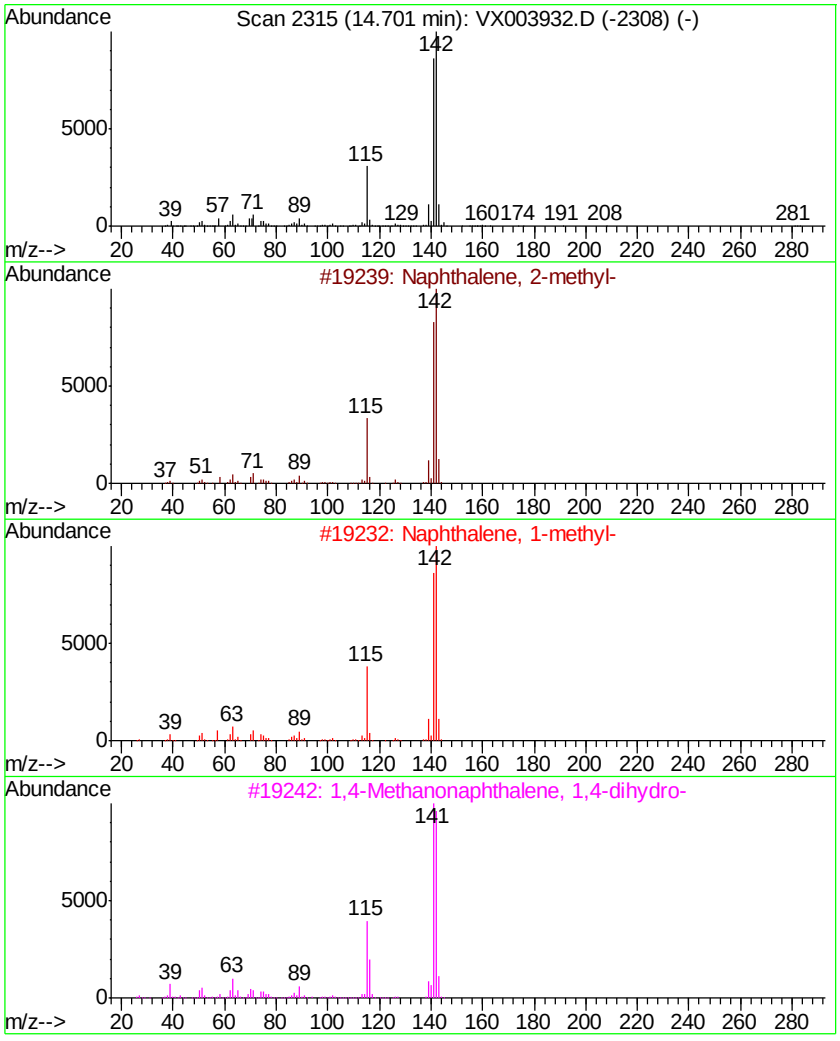
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

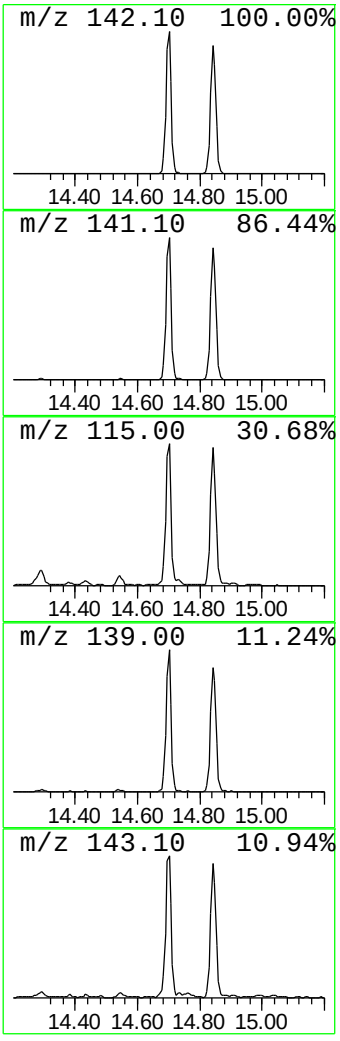
****

Peak Number 9 Naphthalene, 1-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.70	34.00 ug/l	1036620	1,4-Dichlorobenzene-d4	12.08

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	96
2	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	96
3	1,4-Methanonaphthalene, 1,4-dihy...	142	C11H10	004453-90-1	91
4	Benzocycloheptatriene	142	C11H10	000264-09-5	91
5	1H-Indene, 1-ethylidene-	142	C11H10	002471-83-2	59





Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX080818\
Data File : VX003932.D
Acq On : 08 Aug 2018 19:05
Operator : JC/MD
Sample : J4387-02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : FL-0549

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X080618W.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-	1.79	25.5	ug/l	551100	1	5.67	1079010	50.0
Pentane, 3-methyl-	3.17	47.1	ug/l	1016360	1	5.67	1079010	50.0
Cyclopentane, met...	4.40	154.9	ug/l	3343080	1	5.67	1079010	50.0
Benzene, 1-ethyl-...	11.44	61.8	ug/l	1882920	4	12.08	1524370	50.0
Benzene, 1-ethyl-...	11.67	56.8	ug/l	1732960	4	12.08	1524370	50.0
Benzene, 1,2,3-tr...	12.15	84.5	ug/l	2577460	4	12.08	1524370	50.0
Benzene, 2-propenyl-	12.30	31.1	ug/l	948541	4	12.08	1524370	50.0
Naphthalene, 1-me...	14.70	34.0	ug/l	1036620	4	12.08	1524370	50.0